USER MANUAL

BELL Fleetm@tic®

FLEET MANAGEMENT JUST GOT SMARTER

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1. Introduction

Fleetm@tic® II is a carefully designed fleet management system, which can greatly assist you in running your operations.

By taking ownership of your fleet with the support of ***Fleetm@tic® II***, you will be capable of keeping your projects on schedule, maintain machine health and reduce the costs of running your fleet.

Access the secure website from any location with an internet connection, as this is your gateway to detailed information of your fleet. Remote monitoring of your machines will include vital detail such as fuel consumption, when and where a machine is operating, vehicle speed, machine health, driver access and much more.

Our service indicator will ensure that you and your closest Bell Customer Care Centre receive sufficient notice that the service on a specific machine is due, thus avoiding machines running over their service hours.

Fleetm@tic® II is a satellite based system, driven by a series of satellites with worldwide coverage. Production and machine data gathered, is sent via a satellite modem, mounted on the machine, which in turn will send the data to our server. From here the data is compiled into reports which will make it more reader friendly for the user (Fleet Manager).

A selection of reports is available on each machine, ranging from Shift, Daily, Weekly, Monthly, Load and Event reports. These reports can be set up and the automated system will ensure that your reports are delivered to you promptly, ensuring you have detailed information at your fingertips at all times. Advanced maps will display your machine's location on the Fleetm@tic website.

Activating the Driver ID Access feature, will enable you to be familiar with the driver operating your machine during a specific shift. This will ensure that your staff will take responsibility for the machine during their shift.

*Driver ID Access is only available on the Max and Max Plus packages.

Fleetm@tic® II is available in 4 different packages to meet our customers' requirements.

2. Packages

2.1 Fleetm@tic® II Lite

The Lite package comes standard on all Articulated Dump Trucks (ADT), manufactured after November 2008. The reports are free for the first year or until the Warrantee expires. Thereafter, the customer has the option to subscribe to one of the packages.

Automated report available on this package:

Basic Shift Summary

2.2 Fleetm@tic® II Standard Package

Shift report - Once daily is sent from the machine after the shift end time, containing a summary of the day's production information, for more detail refer to the examples on shift reports. This shift can be setup by the customer to start at a specific time. This shift will report on the previous 24 hours production data.

Time bar report – Once daily, is sent from the machine at midnight, local time. Showing the machine's utilization, broken down in 10 minute intervals.

Statistical data log on website – Once daily is send from the machine at midnight, local time. Statistical data indicating the usage of machine, transmission and engine. For example, the time spent in 5 different levels of loading. This data will include a fault code list of up to 19 fault codes that where active that day.

Automated report available on this package:
Shift Summary
Shift Detail
Shift per model group
Timebar

2.3 Fleetm@tic® II Max Package

Fleetm@tic® II **Max package offers the exact same features as** ***Fleetm@tic® II*** **Standard package, plus:**

Three Shift reports - Sent from the machine after the end of each shift. These shifts can be set up by the customer to start and end at a specific time. The combined time of all three shifts may not exceed 24 hours.

Event report – As and when events takes place, these are sent to the website and can be viewed immediately or an automated event report can be set up to be e-mail on a daily basis.

Ignition on and off – By looking on the website, a user will know almost immediately when his machine has been switched on or off.

Automated report available on this package:
3 X Shift Summary
3 X Shift Detail
3 X Shift per model group
Timebar
Event Report

2.3 Fleetm@tic® II Max Plus Package

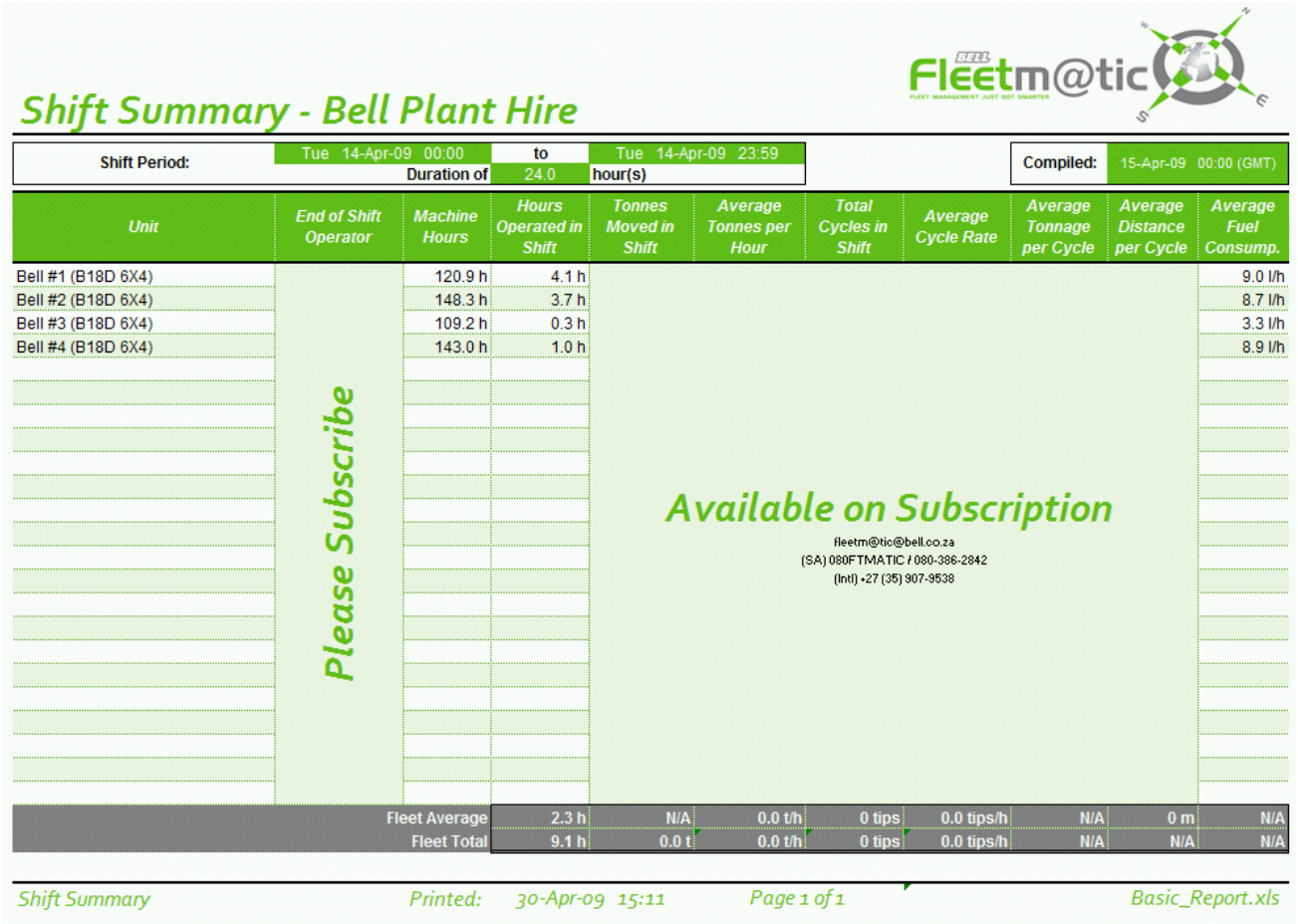
Fleetm@tic® II **Max Plus package offers the exact same feature as** ***Fleetm@tic® II*** **Max package as well as:**

Loading and tipping report – Track your machine almost live on the website with every load and tip or wait for the automated load report to be e-mailed to you after each day. This report will include a GPS co-ordinate for every loading and tipping location as well as the material type moved (if this option is enabled on the machine). This will enable the customer to track the production of different materials, load by load.

Automated report available on this package:
3 X Shift Summary
3 X Shift Detail
3 X Shift per model group
Timebar
Event Report
Load Report

3. Examples of Reports available

Basic shift report



Shift Summary - Bell Plant Hire

Fleetm@tic

Shift Period:	Tue 14-Apr-09 00:00	to	Tue 14-Apr-09 23:59	Compiled:	15-Apr-09 00:00 (GMT)
	Duration of	24.0	hour(s)		

Unit	End of Shift Operator	Machine Hours	Hours Operated in Shift	Tonnes Moved in Shift	Average Tonnes per Hour	Total Cycles in Shift	Average Cycle Rate	Average Tonnage per Cycle	Average Distance per Cycle	Average Fuel Consump.
Bell #1 (B18D 6X4)	Please Subscribe	120.9 h	4.1 h	Available on Subscription						9.0 l/h
Bell #2 (B18D 6X4)		148.3 h	3.7 h							8.7 l/h
Bell #3 (B18D 6X4)		109.2 h	0.3 h							3.3 l/h
Bell #4 (B18D 6X4)		143.0 h	1.0 h							8.9 l/h
Fleet Average			2.3 h	N/A	0.0 t/h	0 tips	0.0 tips/h	N/A	0 m	N/A
Fleet Total			9.1 h	0.0 t	0.0 t/h	0 tips	0.0 tips/h	N/A	N/A	N/A

fleetm@tic@bell.co.za
(SA) 080FTMATIC / 080-386-2842
(Intl) +27 (35) 907-9538

Shift Summary Printed: 30-Apr-09 15:11 Page 1 of 1 Basic_Report.xls

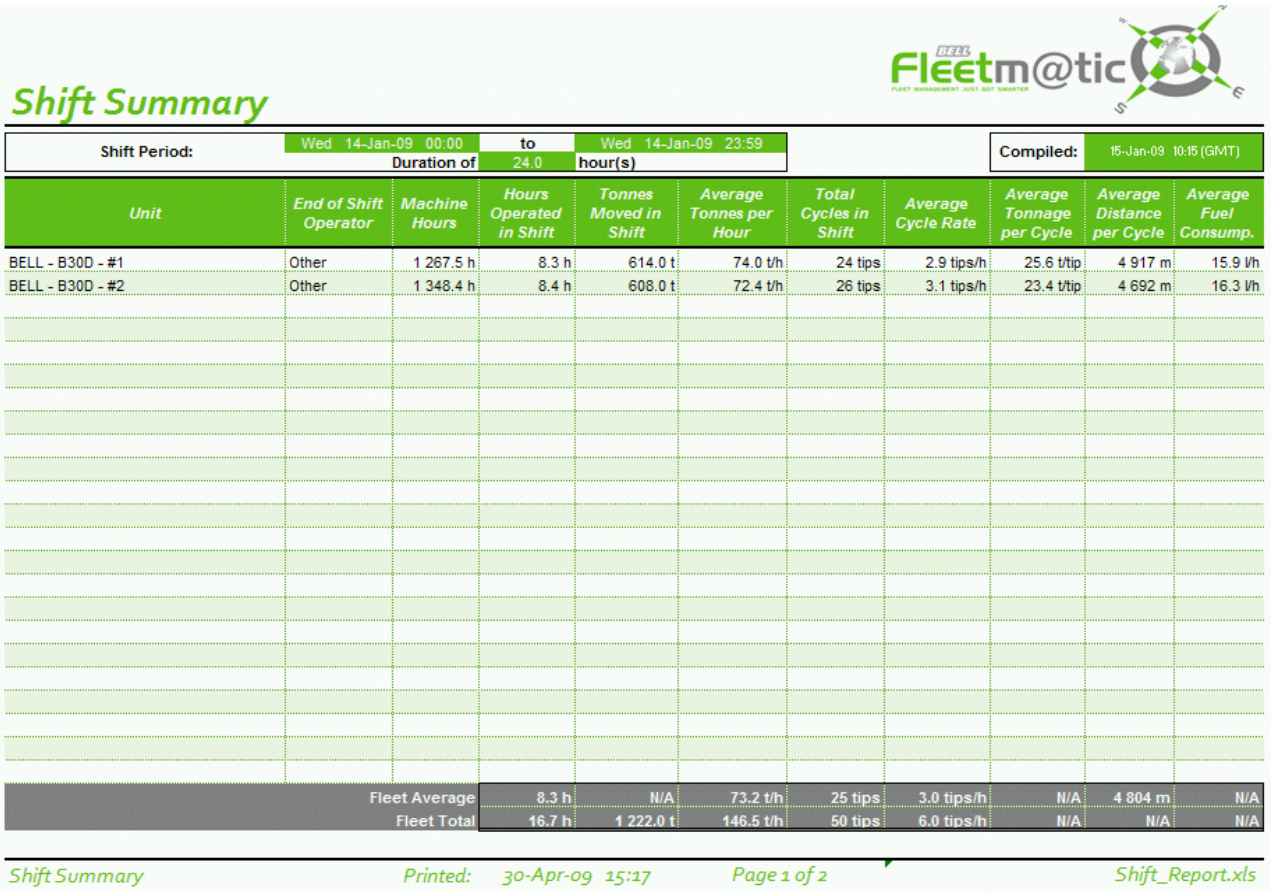
Unit name
Display the customer selected name and in brackets the model

Machine hours
Total accumulated machine hours

Hours operated in Shift
Engine hours accumulated during the specific shift

Average fuel consumption
Average fuel consumed during the specific shift. Accuracy is +/- 5%.

Shift Summary Report



Shift Summary

Shift Period: Wed 14-Jan-09 00:00 to Wed 14-Jan-09 23:59 Duration of 24.0 hour(s)

Compiled: 15-Jan-09 10:15 (GMT)

Unit	End of Shift Operator	Machine Hours	Hours Operated in Shift	Tonnes Moved in Shift	Average Tonnes per Hour	Total Cycles in Shift	Average Cycle Rate	Average Tonnage per Cycle	Average Distance per Cycle	Average Fuel Consump.
BELL - B30D - #1	Other	1 267.5 h	8.3 h	614.0 t	74.0 t/h	24 tips	2.9 tips/h	25.6 t/tip	4 917 m	15.9 l/h
BELL - B30D - #2	Other	1 348.4 h	8.4 h	608.0 t	72.4 t/h	26 tips	3.1 tips/h	23.4 t/tip	4 692 m	16.3 l/h
Fleet Average			8.3 h	N/A	73.2 t/h	25 tips	3.0 tips/h	N/A	4 804 m	N/A
Fleet Total			16.7 h	1 222.0 t	146.5 t/h	50 tips	6.0 tips/h	N/A	N/A	N/A

Shift Summary Printed: 30-Apr-09 15:17 Page 1 of 2 Shift_Report.xls

Unit name
Display the customer selected name and in brackets the model

End of shift Operator
Operator's name that last started the machine with his access code

Machine hours
Total accumulated machine hours

Hours operated
Total hours the engine was running during the specific shift hours

Tonnes moved
Total tonnes moved in the specific shift. Accuracy is +/- 5%

Average tonnes per hour
Calculated by dividing the total tonnes with the total hours operated in the shift

Total Cycles
Number of tips that took place during the specific shift

Average cycle rate
Calculated by dividing the total tips with the total hours operated in the shift

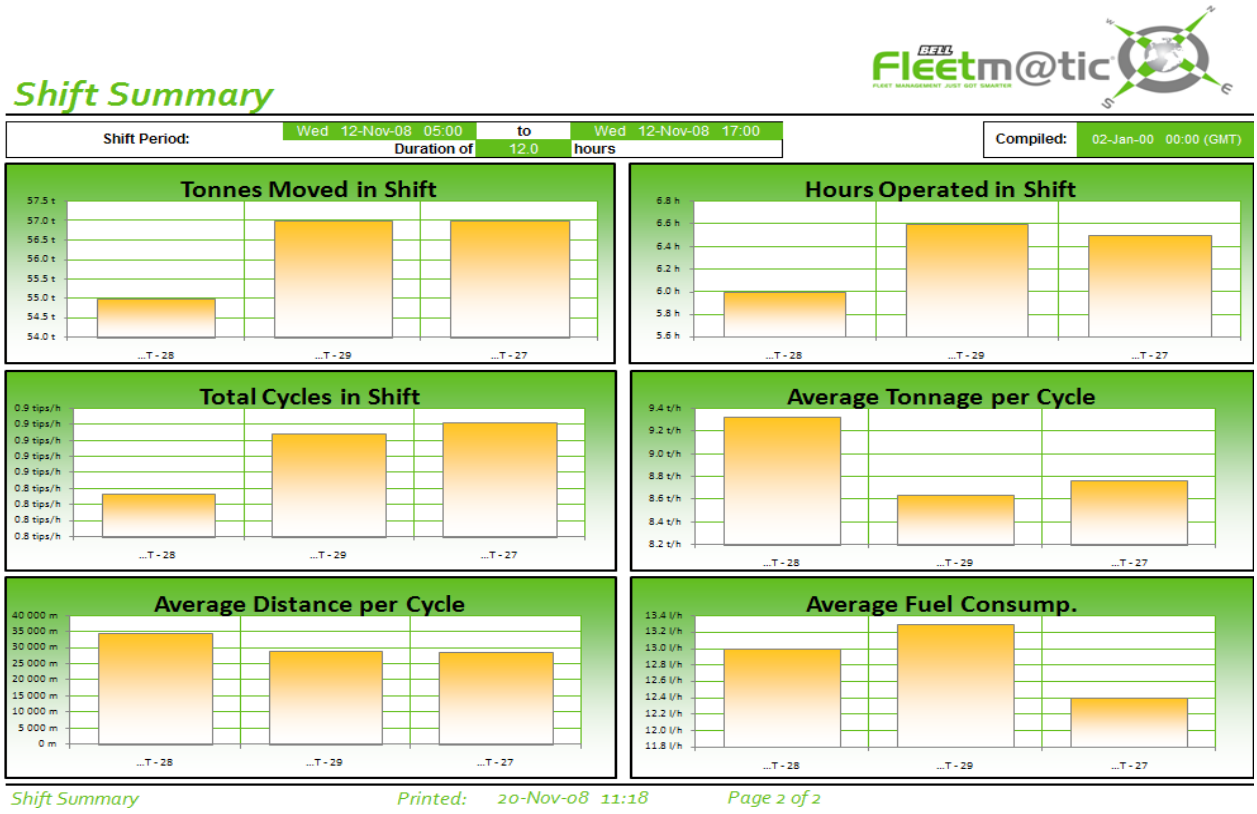
Average tonnage per cycle

Calculated by dividing the total tonnes by the total number of cycles

Average Distance per cycle
Average distance travelled by the machine between each tipping

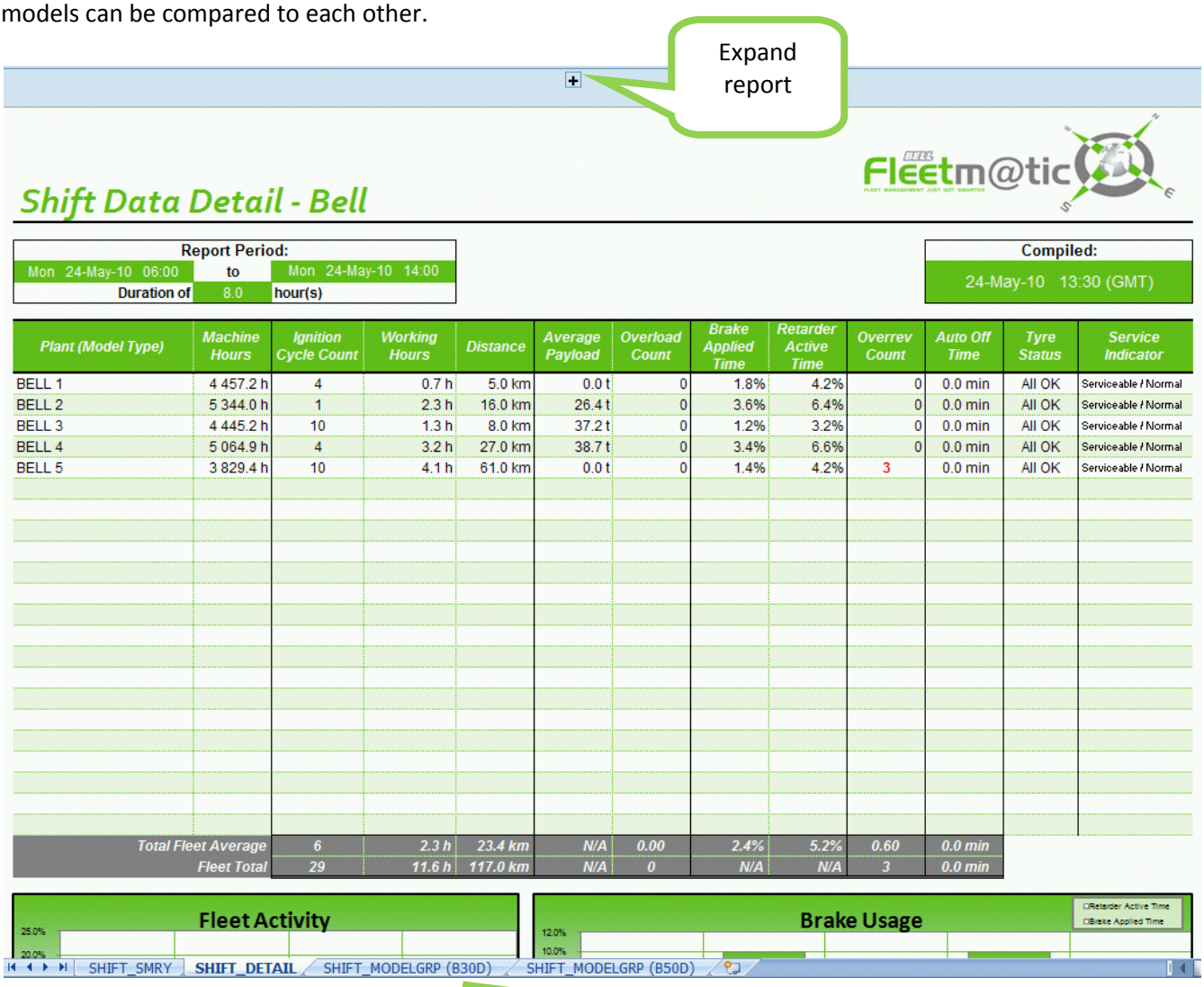
Average fuel consumption
Average fuel consumed per hour during the specific shift. Accuracy is +/- 5%

Shift Summary Report (continue)
Graphical representation of data.



Shift detail report

The shift detail report is available on the next tab and by clicking on the plus sign on the report, it can be expanded to show more information.
The different machines models are also grouped together on the following tab so that all the same models can be compared to each other.



Plant (Model Type)	Machine Hours	Ignition Cycle Count	Working Hours	Distance	Average Payload	Overload Count	Brake Applied Time	Retarder Active Time	Overrev Count	Auto Off Time	Tyre Status	Service Indicator
BELL 1	4 457.2 h	4	0.7 h	5.0 km	0.0 t	0	1.8%	4.2%	0	0.0 min	All OK	Serviceable / Normal
BELL 2	5 344.0 h	1	2.3 h	16.0 km	26.4 t	0	3.6%	6.4%	0	0.0 min	All OK	Serviceable / Normal
BELL 3	4 445.2 h	10	1.3 h	8.0 km	37.2 t	0	1.2%	3.2%	0	0.0 min	All OK	Serviceable / Normal
BELL 4	5 064.9 h	4	3.2 h	27.0 km	38.7 t	0	3.4%	6.6%	0	0.0 min	All OK	Serviceable / Normal
BELL 5	3 829.4 h	10	4.1 h	61.0 km	0.0 t	0	1.4%	4.2%	3	0.0 min	All OK	Serviceable / Normal
Total Fleet Average		*6*	*2.3 h*	*23.4 km*	*N/A*	*0.00*	*2.4%*	*5.2%*	*0.60*	*0.0 min*		
Fleet Total		*29*	*11.6 h*	*117.0 km*	*N/A*	*0*	*N/A*	*N/A*	*3*	*0.0 min*		

Definitions

Unladen – The on board weighing system measures less than 5 tonnes
Laden – The on board weighing system measures more than 7.5 tonnes
Idle – Engine RPM is between 600-800 RPM
Moving – Output shaft speed is greater than 80 RPM

Unit name

Display the customer selected name and in brackets the model

Machine hours

Total accumulated machine hours

Ignition cycle count

Amount of times the engine was started during the specific shift

Working hours
Engine hours accumulated during the specific shift

Distance
Total distance the machine travelled during the specified shift

Unladen Idle time
Percentage of the working hours that the machine was unladen and idling

Unladen moving time
Percentage of the working hours that the machine was unladen and moving

Unladen distance
Total distance machine travelled unladen during the specific shift

Laden Idle time
Percentage of the working hours that the machine was laden and idling

Laden moving time
Percentage of the working hours that the machine was laden and moving

Laden distance
Total distance machine travelled laden during the specific shift

Average tonnage per cycle
Calculated by dividing the total tones by the total number of cycles

Overload count
Number of times the machine was overloaded

Brake applied time
Percentage of the working hours that the service brake was applied while the machine was moving

Retarder active time
Percentage of the working hours that the transmission and engine retarder was applied while the machine was moving

Over rev count
The number of engine over revs that took place during the specified shift

Auto off time
Time saved due to the enabling of the auto off time option. Refer to options for more detail on this functionality.

Tyre status
Status of the tyres at the end of the shift. This is an option that needs to be fitted.

Service indicator
Service indicator to remind customer of service due

Event Report

Events

Report Period:	Sat 21-Aug-10 06:00	to	Sun 22-Aug-10 06:00

Compiled:	25-Oct-10 14:18 (GMT)

Unit	Operator	Timestamp	Description	Duration	Value	Location
405-3092	Login	Sat 21-Aug-10 06:45	Payload too High	14.4 min	42.1 tonne	N55°3.252' E59°4.734'
405-3092	Login	Sat 21-Aug-10 06:54	Excessive Stationary Time		8.0 min	N55°3.240' E59°4.836'
405-3092	Login	Sat 21-Aug-10 07:05	Excessive Stationary Time		5.0 min	N55°3.750' E59°3.300'
405-3092	Sazanov	Sat 21-Aug-10 08:43	Excessive Stationary Time		35.4 min	N55°3.318' E59°8.010'
405-3092	Sazanov	Sat 21-Aug-10 08:43	Excessive Idling		35.5 min	N55°3.318' E59°8.010'

Unit name

Display the customer selected name and in brackets the model

Operator
Operator that last started the machine

Timestamp
Date and time the event triggered

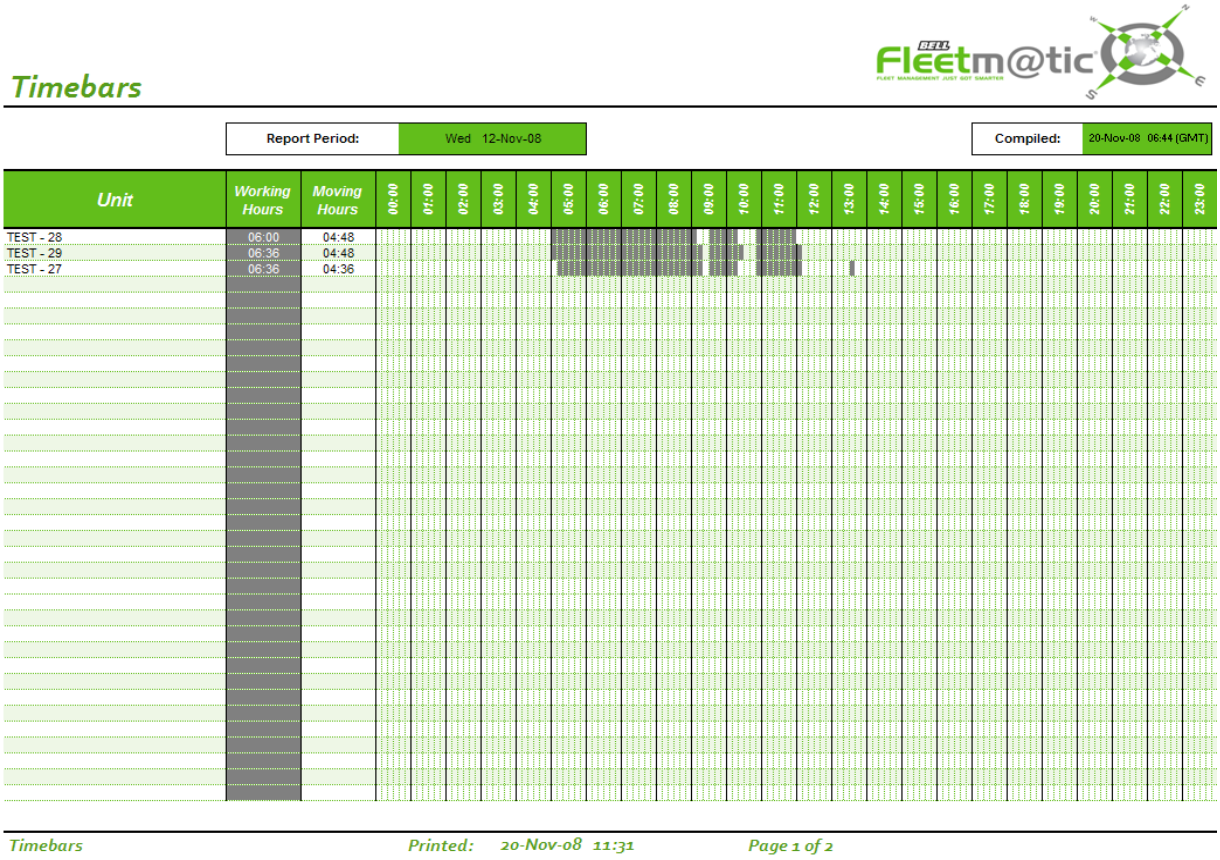
Description
Description of the type of event

Duration
The duration of the event

Value
The maximum value that the event reached

Location
GPS co-ordinates where the event was triggered

Timebar Report



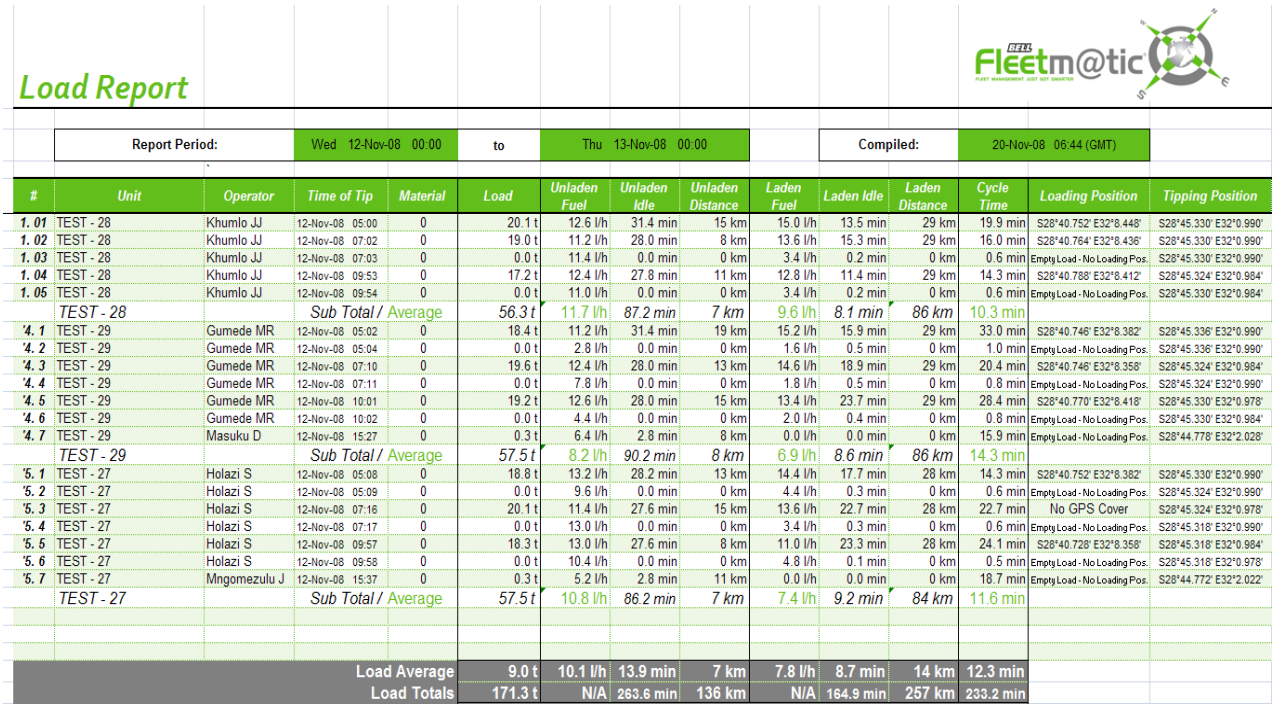
Unit name
Display the customer selected name and in brackets the model

Working hours
Hours the engine was running in this shift

Machine moving
Hours the engine was running and the machine was moving faster than 5km/h

Time Bar
The time bar will indicate the time that the engine was running. Each hour is broken up into 10 minute intervals. Should the engine have been running for 5-10 minutes during this interval, we make the timebar green. Should the engine have been running for less than 5 minutes during this interval the timebar will remain “blank”. The effect would be that the timebar and machine hours worked per shift, could not match 100%, as we calculate the machine hours worked in the shift using second intervals and the timebar only with 10 minute intervals. Therefore the engine could have been running for 14 minutes, but the timebar will only indicate 10 minutes.

Load Report



Load Report

Report Period:	Wed 12-Nov-08 00:00	to	Thu 13-Nov-08 00:00	Compiled:	20-Nov-08 06:44 (GMT)

#	Unit	Operator	Time of Tip	Material	Load	Unladen Fuel	Unladen Idle	Unladen Distance	Laden Fuel	Laden Idle	Laden Distance	Cycle Time	Loading Position	Tipping Position
1. 01	TEST - 28	Khumlo JJ	12-Nov-08 05:00	0	20.1 t	12.6 l/h	31.4 min	15 km	15.0 l/h	13.5 min	29 km	19.9 min	S28°40.752' E32°8.448'	S28°45.330' E32°0.990'
1. 02	TEST - 28	Khumlo JJ	12-Nov-08 07:02	0	19.0 t	11.2 l/h	28.0 min	8 km	13.6 l/h	15.3 min	29 km	16.0 min	S28°40.764' E32°8.436'	S28°45.330' E32°0.990'
1. 03	TEST - 28	Khumlo JJ	12-Nov-08 07:03	0	0.0 t	11.4 l/h	0.0 min	0 km	3.4 l/h	0.2 min	0 km	0.6 min	Empty Load - No Loading Pos.	S28°45.330' E32°0.990'
1. 04	TEST - 28	Khumlo JJ	12-Nov-08 09:53	0	17.2 t	12.4 l/h	27.8 min	11 km	12.8 l/h	11.4 min	29 km	14.3 min	S28°40.788' E32°8.412'	S28°45.324' E32°0.984'
1. 05	TEST - 28	Khumlo JJ	12-Nov-08 09:54	0	0.0 t	11.0 l/h	0.0 min	0 km	3.4 l/h	0.2 min	0 km	0.6 min	Empty Load - No Loading Pos.	S28°45.330' E32°0.984'
	TEST - 28		*Sub Total / Average*		*56.3 t*	11.7 l/h	*87.2 min*	*7 km*	9.6 l/h	*8.1 min*	*86 km*	10.3 min		
4. 1	TEST - 29	Gumede MR	12-Nov-08 05:02	0	18.4 t	11.2 l/h	31.4 min	19 km	15.2 l/h	15.9 min	29 km	33.0 min	S28°40.746' E32°8.382'	S28°45.336' E32°0.990'
4. 2	TEST - 29	Gumede MR	12-Nov-08 05:04	0	0.0 t	2.8 l/h	0.0 min	0 km	1.6 l/h	0.5 min	0 km	1.0 min	Empty Load - No Loading Pos.	S28°45.336' E32°0.990'
4. 3	TEST - 29	Gumede MR	12-Nov-08 07:10	0	19.6 t	12.4 l/h	28.0 min	13 km	14.6 l/h	18.9 min	29 km	20.4 min	S28°40.746' E32°8.358'	S28°45.324' E32°0.984'
4. 4	TEST - 29	Gumede MR	12-Nov-08 07:11	0	0.0 t	7.8 l/h	0.0 min	0 km	1.8 l/h	0.5 min	0 km	0.8 min	Empty Load - No Loading Pos.	S28°45.324' E32°0.990'
4. 5	TEST - 29	Gumede MR	12-Nov-08 10:01	0	19.2 t	12.6 l/h	28.0 min	15 km	13.4 l/h	23.7 min	29 km	28.4 min	S28°40.770' E32°8.418'	S28°45.330' E32°0.978'
4. 6	TEST - 29	Gumede MR	12-Nov-08 10:02	0	0.0 t	4.4 l/h	0.0 min	0 km	2.0 l/h	0.4 min	0 km	0.8 min	Empty Load - No Loading Pos.	S28°45.330' E32°0.984'
4. 7	TEST - 29	Masuku D	12-Nov-08 15:27	0	0.3 t	6.4 l/h	2.8 min	8 km	0.0 l/h	0.0 min	0 km	15.9 min	Empty Load - No Loading Pos.	S28°44.778' E32°2.028'
	TEST - 29		*Sub Total / Average*		*57.5 t*	8.2 l/h	*90.2 min*	*8 km*	6.9 l/h	*8.6 min*	*86 km*	14.3 min		
5. 1	TEST - 27	Holazi S	12-Nov-08 05:08	0	18.8 t	13.2 l/h	28.2 min	13 km	14.4 l/h	17.7 min	28 km	14.3 min	S28°40.752' E32°8.382'	S28°45.330' E32°0.990'
5. 2	TEST - 27	Holazi S	12-Nov-08 05:09	0	0.0 t	9.6 l/h	0.0 min	0 km	4.4 l/h	0.3 min	0 km	0.6 min	Empty Load - No Loading Pos.	S28°45.324' E32°0.990'
5. 3	TEST - 27	Holazi S	12-Nov-08 07:16	0	20.1 t	11.4 l/h	27.6 min	15 km	13.6 l/h	22.7 min	28 km	22.7 min	No GPS Cover	S28°45.324' E32°0.978'
5. 4	TEST - 27	Holazi S	12-Nov-08 07:17	0	0.0 t	13.0 l/h	0.0 min	0 km	3.4 l/h	0.3 min	0 km	0.6 min	Empty Load - No Loading Pos.	S28°45.318' E32°0.990'
5. 5	TEST - 27	Holazi S	12-Nov-08 09:57	0	18.3 t	13.0 l/h	27.6 min	8 km	11.0 l/h	23.3 min	28 km	24.1 min	S28°40.728' E32°8.358'	S28°45.318' E32°0.984'
5. 6	TEST - 27	Holazi S	12-Nov-08 09:58	0	0.0 t	10.4 l/h	0.0 min	0 km	4.8 l/h	0.1 min	0 km	0.5 min	Empty Load - No Loading Pos.	S28°45.318' E32°0.978'
5. 7	TEST - 27	Mngomezulu J	12-Nov-08 15:37	0	0.3 t	5.2 l/h	2.8 min	11 km	0.0 l/h	0.0 min	0 km	18.7 min	Empty Load - No Loading Pos.	S28°44.772' E32°2.022'
	TEST - 27		*Sub Total / Average*		*57.5 t*	10.8 l/h	*86.2 min*	*7 km*	7.4 l/h	*9.2 min*	*84 km*	11.6 min		
				Load Average	9.0 t	10.1 l/h	13.9 min	7 km	7.8 l/h	8.7 min	14 km	12.3 min		
				Load Totals	171.3 t	N/A	263.6 min	136 km	N/A	164.9 min	257 km	233.2 min		

Unit name
Display the customer selected name and in brackets the model

Operator
Operator that last started the machine

Time of Tip
The time that the tip took place (Tipping, is when the bin position is at more than 70%)

Material
Material type tipped. Please refer to options for more info

Load
Tonnes tipped. Accuracy is +/- 5%

Unladen fuel
Fuel consumption when the machine was unladen for the cycle. Accuracy is +/- 5%

Unladen Idle time
The time that the machine was unladen and idling for the cycle

Unladen distance
The distance machine travelled unladen during the cycle

Laden fuel
Fuel consumption when the machine was laden during the cycle. Accuracy is +/- 5%

Laden Idle time
The time that the machine was laden and idling for the cycle

Laden distance
The distance machine travelled unladen during the cycle

Cycle time
Time measured from tipping to tipping

Loading position
GPS co-ordinates of the loading position

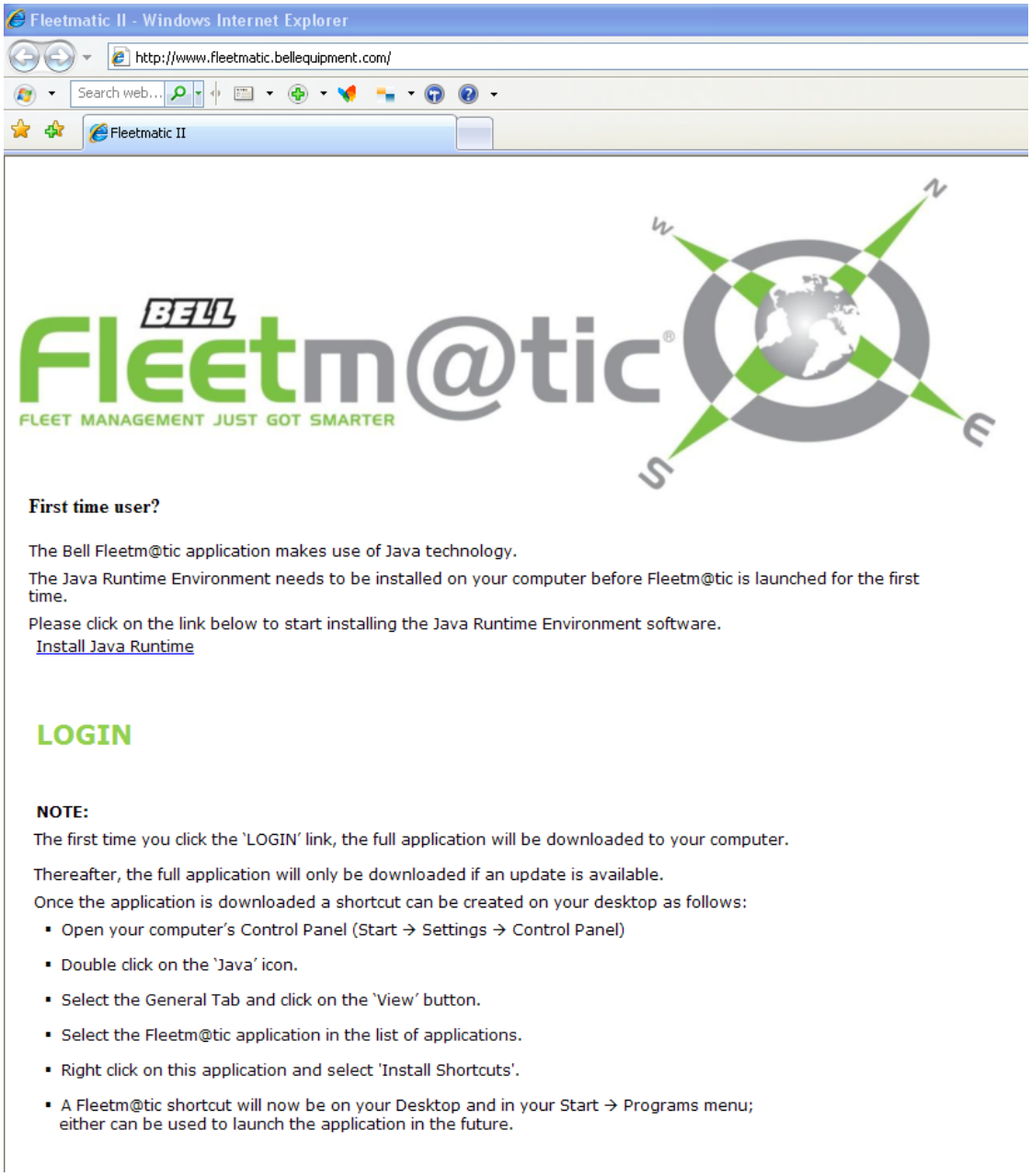
Tipping position
GPS co-ordinates of the tipping position

4. GETTING STARTED

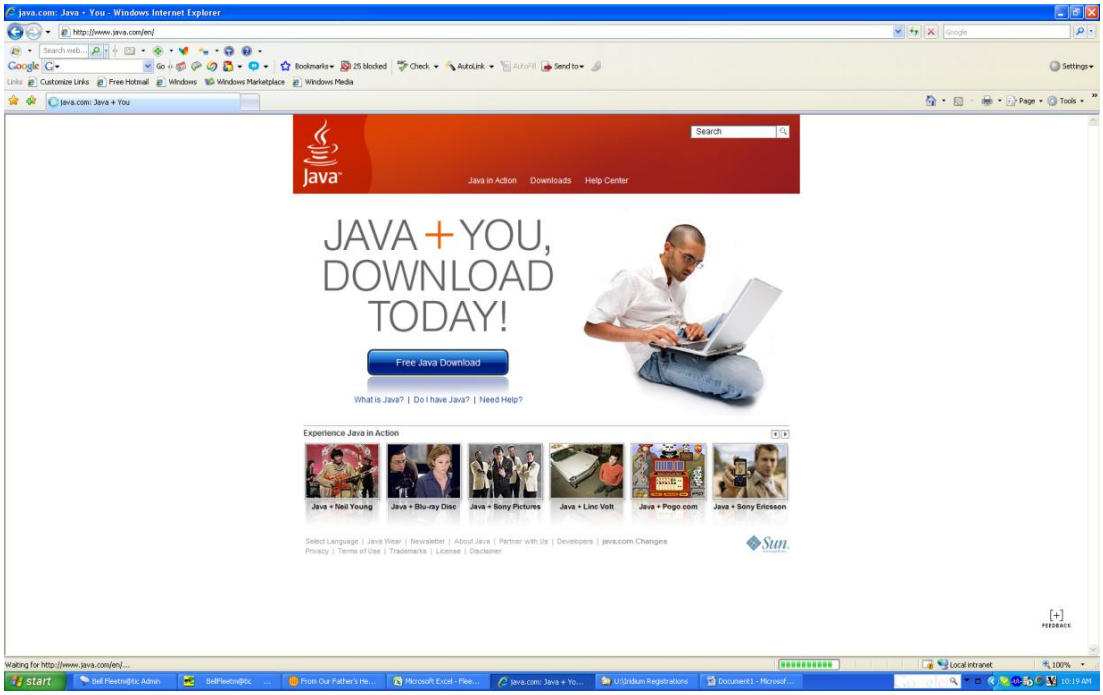
The ***Fleetm@tic® II*** application is Java based and first time user are required to download a free Java version if not already installed on their computer.

There after the ***Fleetm@tic® II*** application needs to be downloaded once or when new updates are available. The updates should start to download automatically. Follow the following steps to download the software.

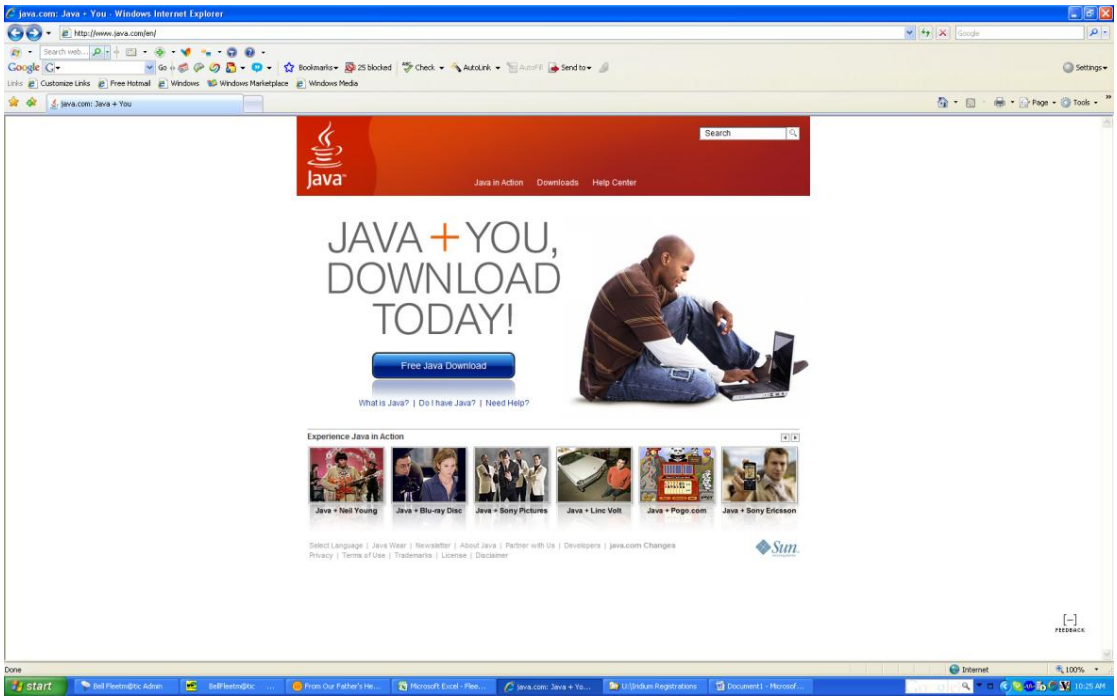
Go to the following Website: http://www.fleetmatic.bellequipment.com


Fleetmatic II - Windows Internet Explorer
http://www.fleetmatic.bellequipment.com/
Search web...
Fleetmatic II
BELL
Fleetm@tic
FLEET MANAGEMENT JUST GOT SMARTER
First time user?
The Bell Fleetm@tic application makes use of Java technology.
The Java Runtime Environment needs to be installed on your computer before Fleetm@tic is launched for the first time.
Please click on the link below to start installing the Java Runtime Environment software.
Install Java Runtime
LOGIN
NOTE:
The first time you click the 'LOGIN' link, the full application will be downloaded to your computer.
Thereafter, the full application will only be downloaded if an update is available.
Once the application is downloaded a shortcut can be created on your desktop as follows:
Open your computer's Control Panel (Start → Settings → Control Panel)
Double click on the 'Java' icon.
Select the General Tab and click on the 'View' button.
Select the Fleetm@tic application in the list of applications.
Right click on this application and select 'Install Shortcuts'.
A Fleetm@tic shortcut will now be on your Desktop and in your Start → Programs menu; either can be used to launch the application in the future.

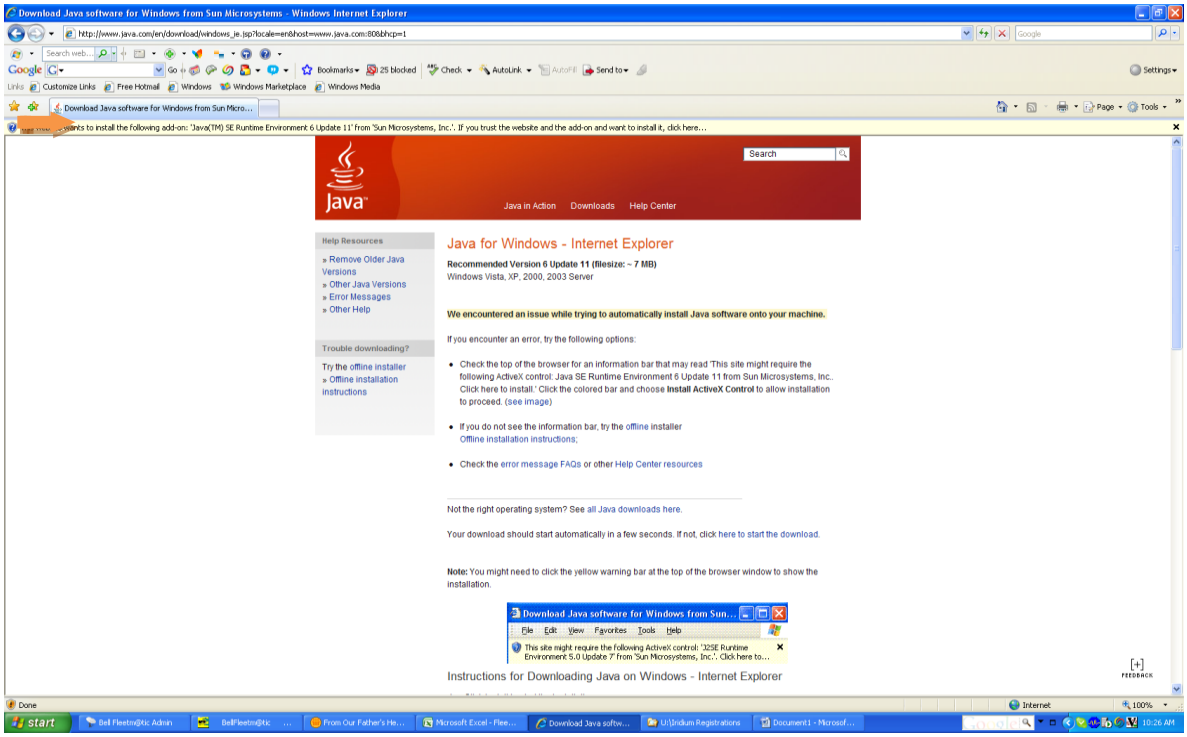
Select "Install Java Runtime" (First time users only)



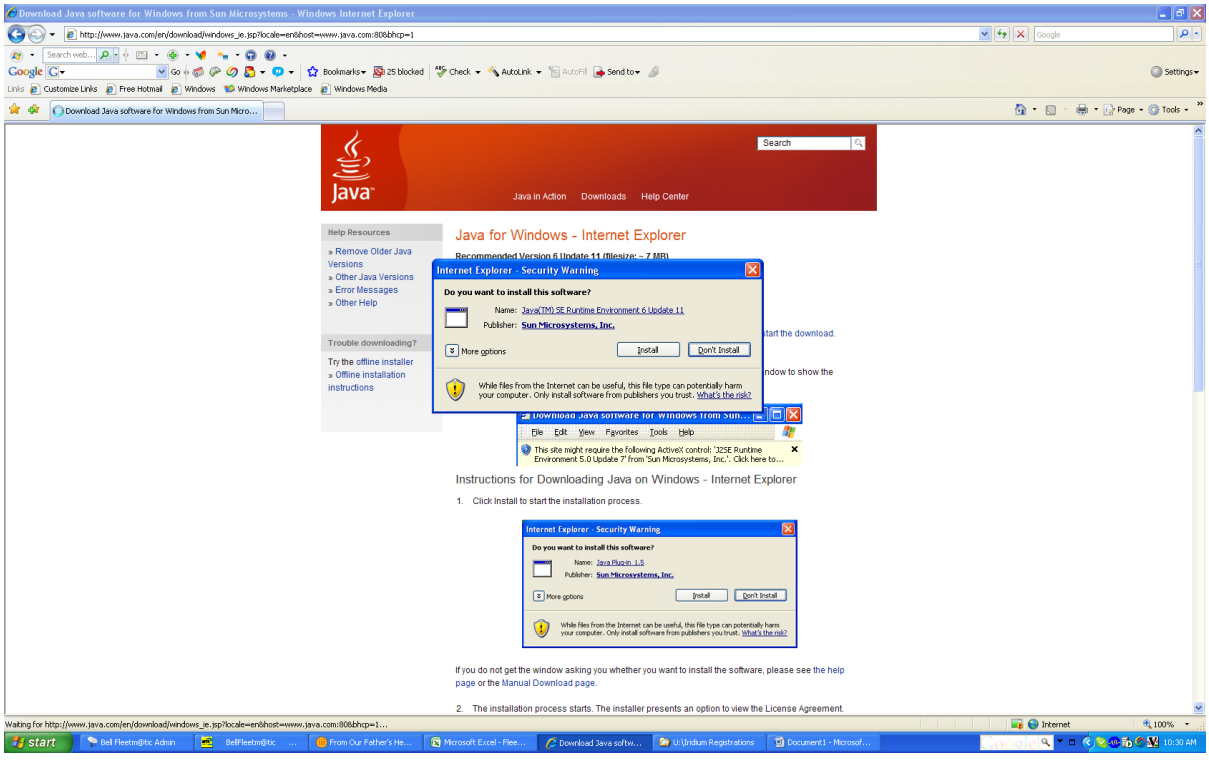
Select “Free Java Download”



Click on the line as indicated by the orange arrow below


Download Java software for Windows from Sun Microsystems - Windows Internet Explorer
Java
Java in Action
Downloads
Help Center
Java for Windows - Internet Explorer
Recommended Version 6 Update 11 (filesize: ~ 7 MB)
Windows Vista, XP, 2000, 2003 Server
We encountered an issue while trying to automatically install Java software onto your machine.
Instructions for Downloading Java on Windows - Internet Explorer

Once you have right clicked onto the bar, select “Active X Control”


Download Java software for Windows from Sun Microsystems - Windows Internet Explorer
Java
Java in Action
Downloads
Help Center
Java for Windows - Internet Explorer
Internet Explorer - Security Warning
Do you want to install this software?
Install
Don't Install
Instructions for Downloading Java on Windows - Internet Explorer
1. Click Install to start the installation process.
2. The installation process starts. The installer presents an option to view the License Agreement.

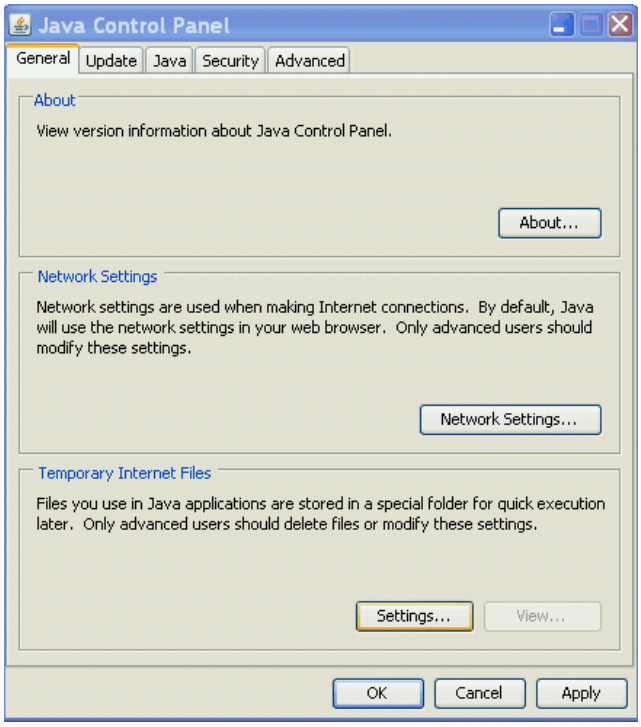
Select “Install”

Java will be downloaded onto your PC / Laptop. This may take several minutes, depending on the network speed.

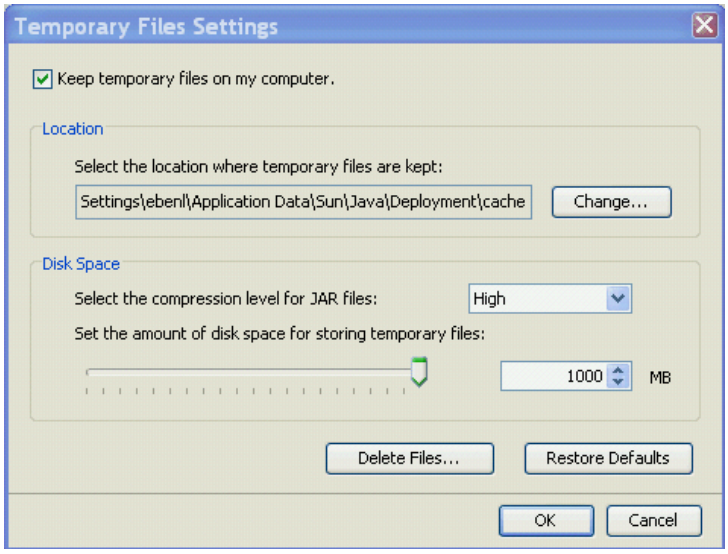
Restart your system to enable Java to run.

JAVA SETTINGS

Click on start
Click on the control panel
Right click on the Java icon


Java Control Panel
General
Update
Java
Security
Advanced
About
View version information about Java Control Panel.
About...
Network Settings
Network settings are used when making Internet connections. By default, Java will use the network settings in your web browser. Only advanced users should modify these settings.
Network Settings...
Temporary Internet Files
Files you use in Java applications are stored in a special folder for quick execution later. Only advanced users should delete files or modify these settings.
Settings...
View...
OK
Cancel
Apply

Click on settings

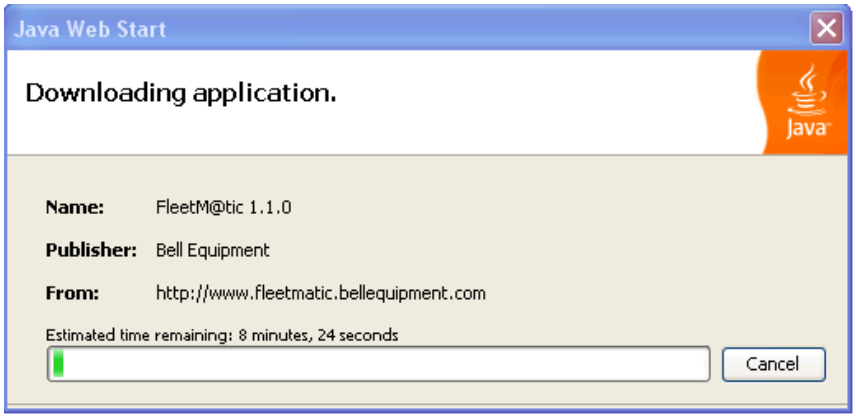


Ensure that the "Keep temporary files on my computer" is selected (tick in box)
Click on OK

Once you have re-started your system, go to the Website (http://www.fleetmatic.bellequipment.com) and click
on LOGIN

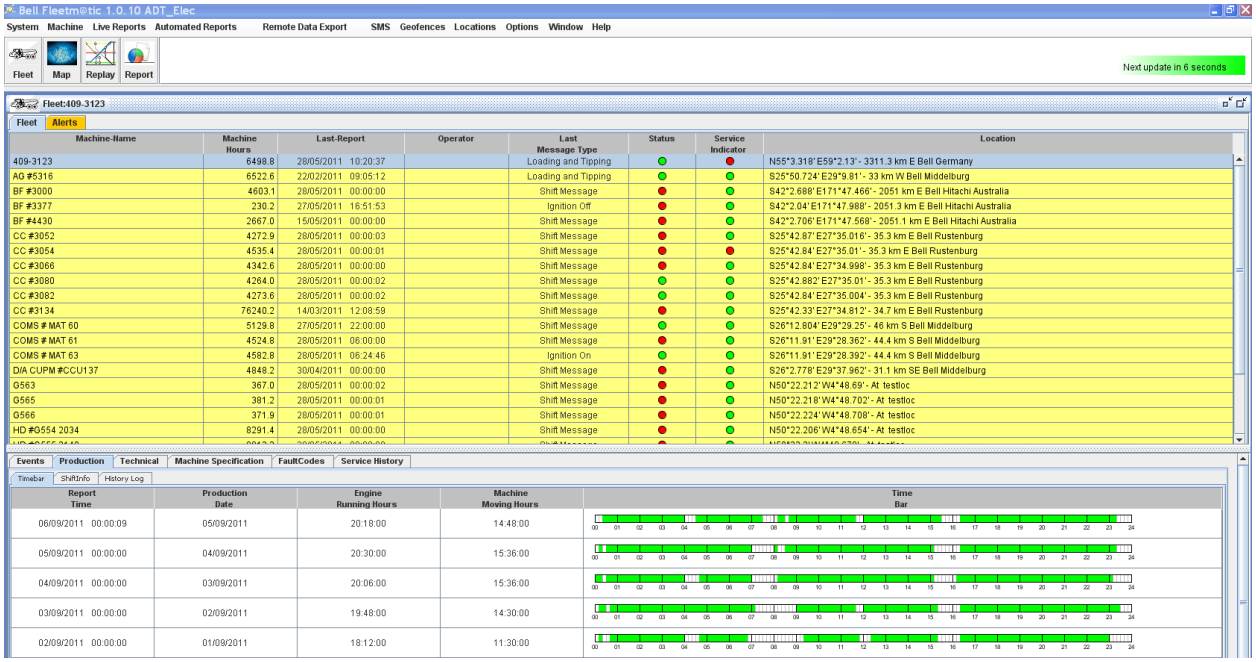
BELL
Fleetm@tic
FLEET MANAGEMENT JUST GOT SMARTER
First time user?
The Bell Fleetm@tic application makes use of Java technology.
The Java Runtime Environment needs to be installed on your computer before Fleetm@tic is launched for the first time.
Please click on the link below to start installing the Java Runtime Environment software.
Install Java Runtime
LOGIN

The application will start to download depending on network speed, this may take some time.



The Log-in screen will appear. Enter username and password (case sensitive), as provided by the System Administrator, select your preferred language and click on Login

Fleetm@tic® II will open and the screen below will appear, displaying your entire fleet of machines

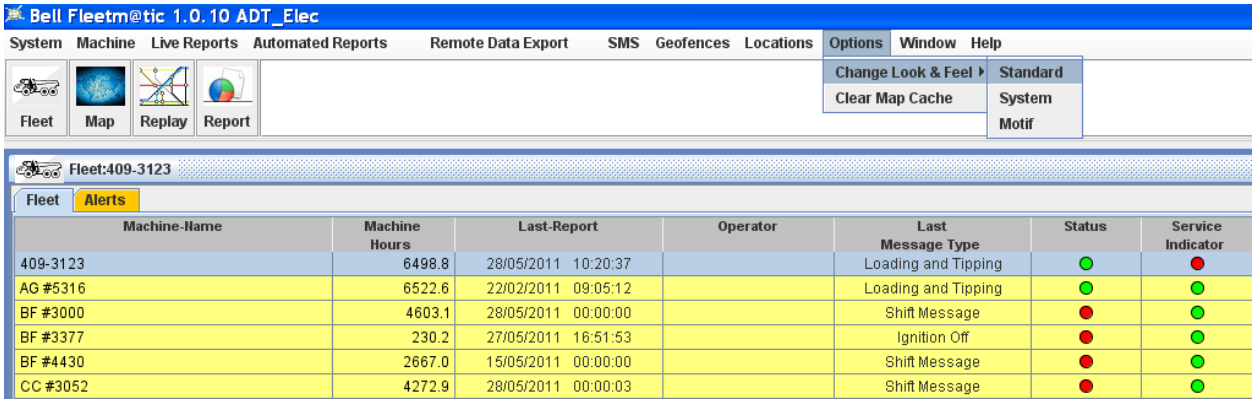

Bell Fleetm@tic 1.0.10 ADT_Elec
System Machine Live Reports Automated Reports Remote Data Export SMS Geofences Locations Options Window Help
Fleet Map Replay Report
Next update in 6 seconds
Fleet:409-3123
Fleet Alerts
Machine-Name | Machine Hours | Last-Report | Operator | Last Message Type | Status | Service Indicator | Location
409-3123 6498.8 28/05/2011 10:20:37 Loading and Tipping N55°3.318'E59°2.13' - 3311.3 km E Bell Germany
AG #5316 6522.6 22/02/2011 09:05:12 Loading and Tipping S25°50.724'E29°9.81' - 33 km W Bell Middelburg
BF #3000 4603.1 28/05/2011 00:00:00 Shift Message S42°2.688'E171°47.466' - 2051 km E Bell Hitachi Australia
BF #3377 230.2 27/05/2011 16:51:53 Ignition Off S42°2.04'E171°47.988' - 2051.3 km E Bell Hitachi Australia
BF #4430 2667.0 15/05/2011 00:00:00 Shift Message S42°2.706'E171°47.568' - 2051.1 km E Bell Hitachi Australia
CC #3052 4272.9 28/05/2011 00:00:03 Shift Message S25°42.87'E27°35.016' - 35.3 km E Bell Rustenburg
CC #3054 4535.4 28/05/2011 00:00:01 Shift Message S25°42.84'E27°35.01' - 35.3 km E Bell Rustenburg
CC #3066 4342.6 28/05/2011 00:00:00 Shift Message S25°42.84'E27°34.998' - 35.3 km E Bell Rustenburg
CC #3080 4264.0 28/05/2011 00:00:02 Shift Message S25°42.882'E27°35.01' - 35.3 km E Bell Rustenburg
CC #3082 4273.6 28/05/2011 00:00:02 Shift Message S25°42.84'E27°35.004' - 35.3 km E Bell Rustenburg
CC #3134 76240.2 14/03/2011 12:08:59 Shift Message S25°42.33'E27°34.812' - 34.7 km E Bell Rustenburg
COMS # MAT 60 5129.8 27/05/2011 22:00:00 Shift Message S26°12.804'E29°29.25' - 46 km S Bell Middelburg
COMS # MAT 61 4524.8 28/05/2011 06:00:00 Shift Message S26°11.91'E29°28.362' - 44.4 km S Bell Middelburg
COMS # MAT 63 4582.8 28/05/2011 06:24:46 Ignition On S26°11.91'E29°28.392' - 44.4 km S Bell Middelburg
D/A CUPM #CCU137 4848.2 30/04/2011 00:00:00 Shift Message S26°2.778'E29°37.962' - 31.1 km SE Bell Middelburg
G563 367.0 28/05/2011 00:00:02 Shift Message N50°22.212'W4°48.69' - At testloc
G565 381.2 28/05/2011 00:00:01 Shift Message N50°22.218'W4°48.702' - At testloc
G566 371.9 28/05/2011 00:00:01 Shift Message N50°22.224'W4°48.708' - At testloc
HD #G554 2034 8291.4 28/05/2011 00:00:00 Shift Message N50°22.206'W4°48.654' - At testloc
Events Production Technical Machine Specification FaultCodes Service History
Timebar ShiftInfo History Log
Report Time | Production Date | Engine Running Hours | Machine Moving Hours | Time Bar
06/09/2011 00:00:09 05/09/2011 20:18:00 14:48:00
05/09/2011 00:00:00 04/09/2011 20:30:00 15:36:00
04/09/2011 00:00:00 03/09/2011 20:06:00 15:36:00
03/09/2011 00:00:00 02/09/2011 19:48:00 14:30:00
02/09/2011 00:00:00 01/09/2011 18:12:00 11:30:00

5. Change the “Look & Feel” of your Display screen

You can change the “Look” of your display by following the next few easy steps:

Select options

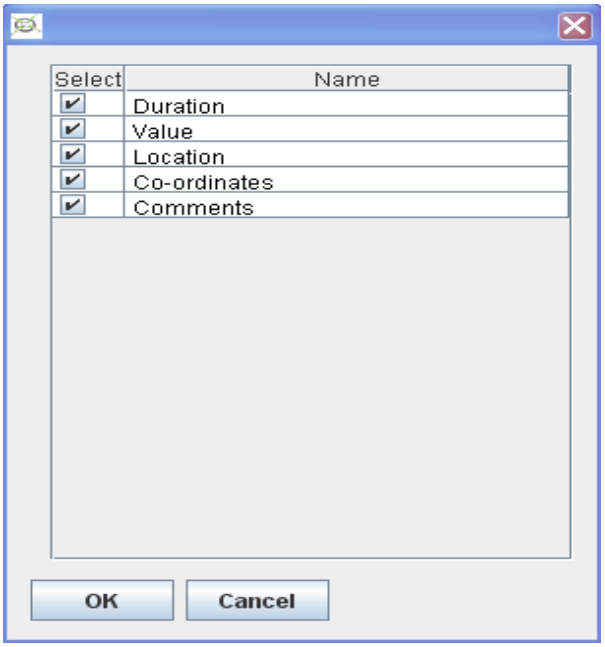
Select Change Look & Feel (this will give you 3 options, namely Standard, System, Motif)



The columns on the bottom tab can be made wider by moving your mouse to the end of the column and then keeping the select button down and dragging the column wider.

The colums can also be hidden if the info is not required.

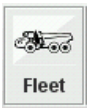
Right click on the top section of the tab and select Customize columns



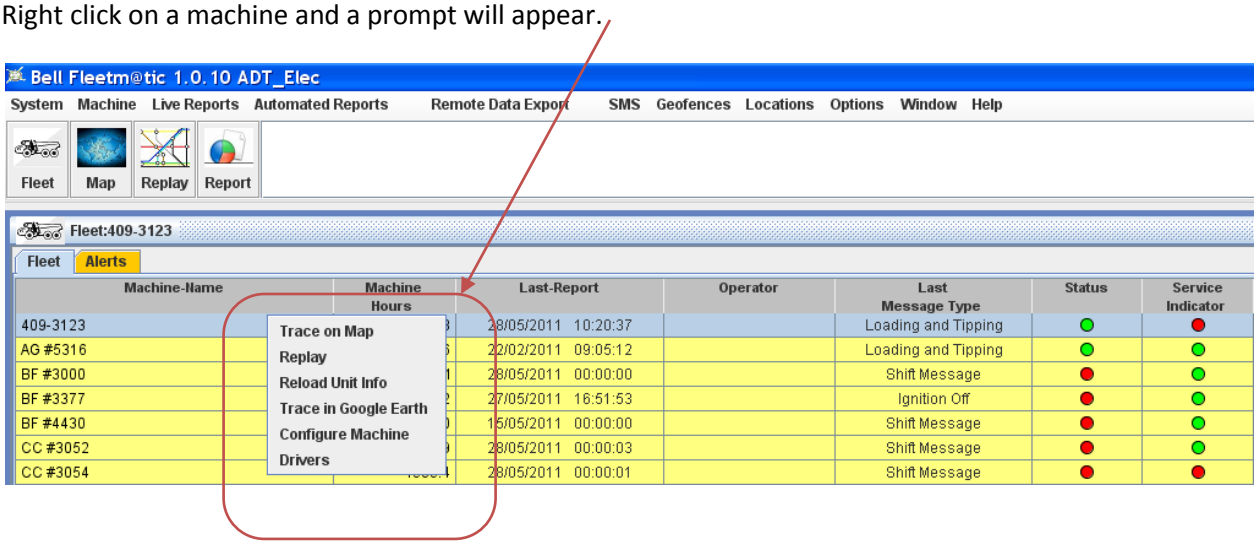
By selecting or removing the tick marks, the columns will be displayed or not.

Once the user is satisfied with the layout, he needs to right click on the tab again and select “save column” layout so that the changes can be stored.

6. Quick view of machines

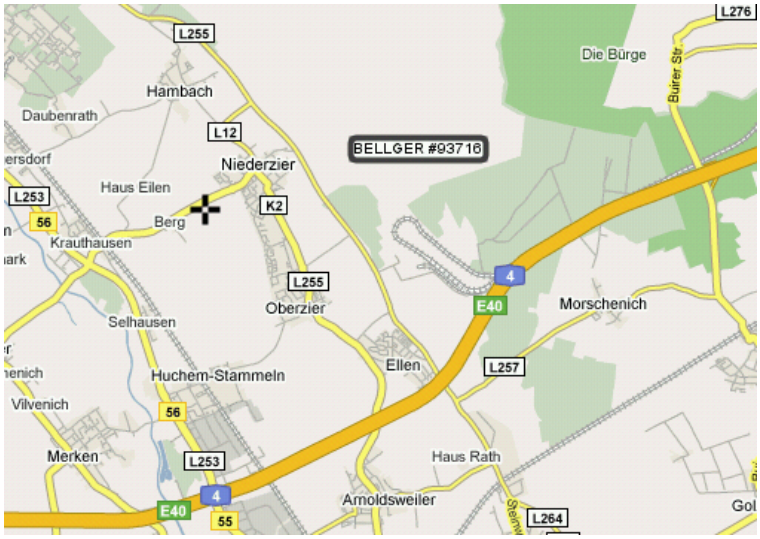


Right click on a machine and a prompt will appear.



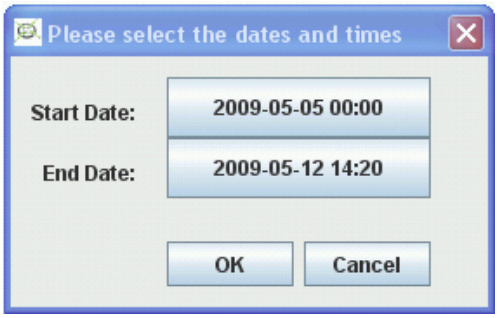
6.1 Trace on Map

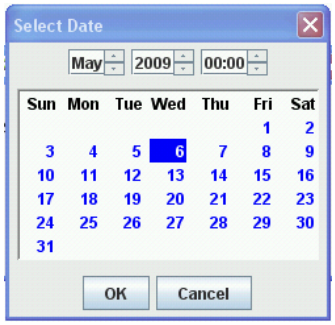
The system will take you to a selection of maps and you will be able to see the last known location where your machine reported from. The last known position can differ significantly from the machine's current location, due to the package selection. For example, on the Standard package the machine will only report its position once a day when it sends the shift info, compared to a machine on Max Plus package which will report its position with every loading and tipping.



6.2 Replay

When you would like to replay your machine's history during a specified time, you can right click on the machine and select "Replay". A calendar will be displayed. Select the date from when you would like the information, and click on "OK". A second pop-up will be displayed with the start and end dates, click on "OK".





A map similar to the one below will be displayed with data relating to it, displayed below the map.

Report Time	Message Type	Operator	Unladen Fuel in Cycle (l/h)	Unladen Dist in Cycle (km)	Unladen Idle in Cycle (km)	Laden Fuel in Cycle (l/h)	Laden Dist in Cycle (km)	Laden Idle in Cycle (km)
05/05/2009 06:28:34	Ignition On							
05/05/2009 07:19:00	Loading and Tipping		10.0	10.2		32.8	6.0	2.1
05/05/2009 07:19:00	Priority Event							
05/05/2009 07:38:12	Ignition Off							
05/05/2009 07:39:40	Ignition On							
05/05/2009 07:58:36	Loading and Tipping		15.6	5.6		34.2	6.2	1.1
05/05/2009 07:58:36	Priority Event							
05/05/2009 08:33:27	Loading and Tipping		19.8	5.8	1	33.2	6.2	1.8

6.3 Reload Unit Info

Selecting this tab, the system will collect the latest available data from your machine.

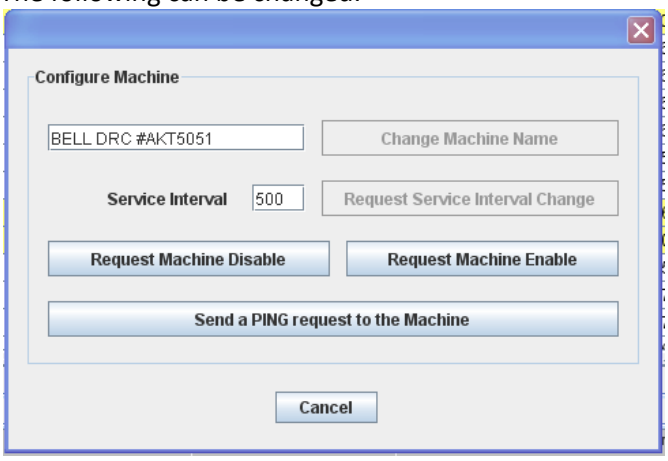
6.4 Trace in Google Earth

This function will take you to Google Earth and pinpoint the last known location of your machine. Please note Google earth must be installed on the user's computer before this option will work

6.5 Configure machine

Right clicking on the machine will allow the user to configure certain parameter or settings on his machine.

The following can be changed.



Machine Name

If you would like to change the machine's name, simply type in the required name and click on the "change machine name" tab.

Service Interval

Should you wish to service your machine at a different service interval than the 500 hours default, the user can request this to be changed by entering the requested service interval and clicking on the “Request Service Interval Change” tab.

This request will be actioned by the Fleetm@tic Administrator once the Bell warranty team has agreed on the new service interval.

Disabling a machine

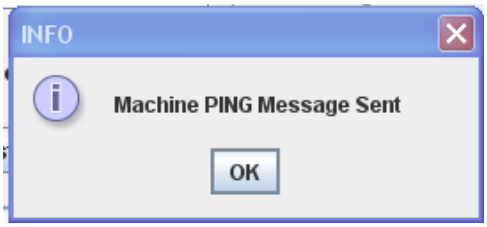
The “Request Machine Disable” is a tool that can be used when you require to remotely having your machine immobilized. This function will prevent your machine from being started by locking the machine out with an 8 digit security code. To start the machine again, one needs to request the Fleetm@tic Administrator to enable the machine again or enter the 8 digit unlock code that has been supplied by the factory.

Once the “Request Machine Disable” has been submitted, the Fleetm@tic Administrator will disable the machine.

The “Request Machine Enable” is used when you require having your machine remotely enabled.
Once the “Request Machine Enable” has been submitted, the Fleetm@tic Administrator will enable the machine.

Ping Request

The “Send a ping request to the machine” is a function that can be used when you would like to receive the latest machine hours and position of your machine, if the machine is **running** at the time the request is send. Once you have clicked on the button, the system will reply with the message below



The ping request is limited to once a day per machine.

6.6 Driver ID

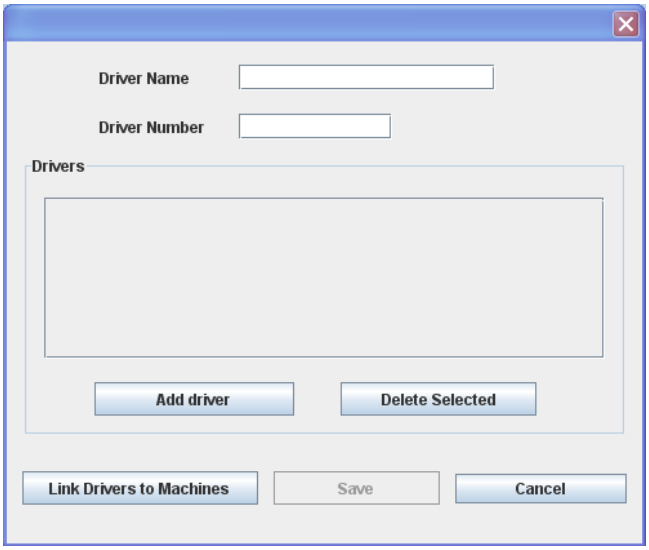
This function links the Driver ID’s created in the Driver ID access program to the Driver names entered.
The Driver ID access program can be downloaded from our website or alternatively one can contact the Fleetm@tic Administrator who can e-mail the program to you.

The Driver ID's can be linked manually one by one or automatically by loading the Driver ID file (*.bda) that was generated by the Driver ID program.

The Drivers has to be created and linked to their Driver ID's before they can be linked to the machines.

Link / Unlink Drivers to Machines Manually

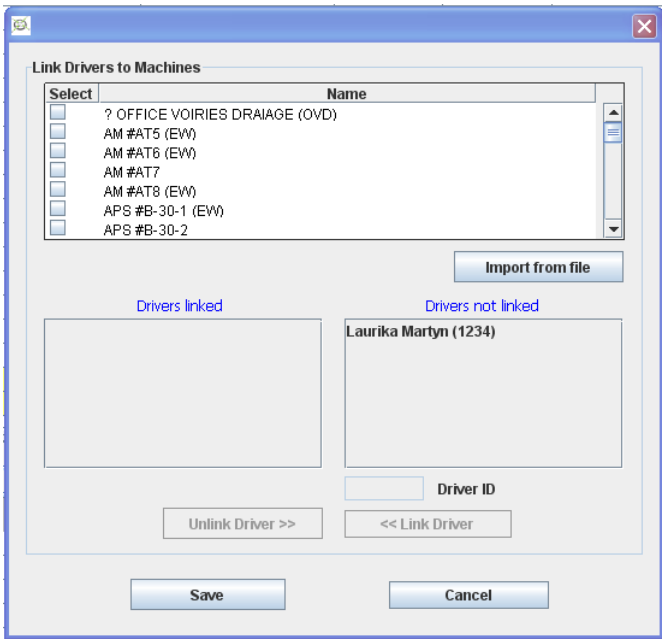
Right click on the machine and select "Drivers". The following prompt will appear on your screen:



To add a Driver, click on the "Add Driver" tab. Enter the Driver name and Driver number (This is the driver number generated by the Driver ID program) and select "Add driver". Click "Save"

To remove a Driver, select the driver and click on "Delete Selected".
Once all the Driver's have been created and linked to the Driver ID's, they can be linked to the machines.

To link the Drivers to the machines, click on the "Link Drivers to machines" tab. The following screen will appear.

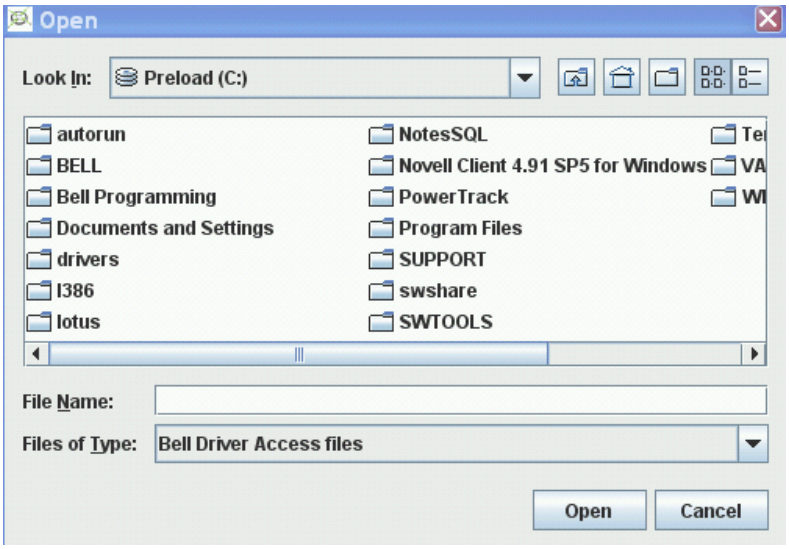


Select the machine to which you would like to link driver to.
Select the first driver that you would like to link to the machine and click on the “Link Driver” tab.
Select the next driver/s and click on the “Link Driver” tab till all the drivers that you want to link to the machine has been moved over into the “Drivers linked” column.
Click on the “save” tab.
Select the next machine and repeat the process.

Link Drivers to Machines Automatically

The Driver ID access program can also be used to create a file that can be imported directly. This feature will over right any existing driver links and will link the drivers automatically to all the machines selected.

Select all the machines that you want to assign drivers to.
Click on the “import from file” button
Select the file name. Should be a file with a *.bda extension



You will get the following notice.

Query
This action will replace the current list of drivers with the list of drivers found in the selected file. Continue?
Yes
No

Click on the “save” tab

7. MAPS

Fleetm@tic® II offers you a selection of maps, which you can use to establish the last known position of your machine. Maps range from VE Maps to Google Maps. Some maps will have more detail than others in specific areas and it is thus advised that the user have a look at all the possibilities to find the maps that best suits his/her needs.

To enable the maps to work, the following website must be opened on your firewall:

Virtual Earth Maps (VE Maps)	http://r1.ortho.tiles.virtualearth.net
	http://r2.ortho.tiles.virtualearth.net
	http://r3.ortho.tiles.virtualearth.net
	http://h1.ortho.tiles.virtualearth.net
Google Maps:	http://maps.google.com

7.1 Types of Maps

Locations: Shows location entered by User. Please refer to location set up for more detail

VE Maps: Virtual Earth Maps – indicates the last known position of your machine on a street map

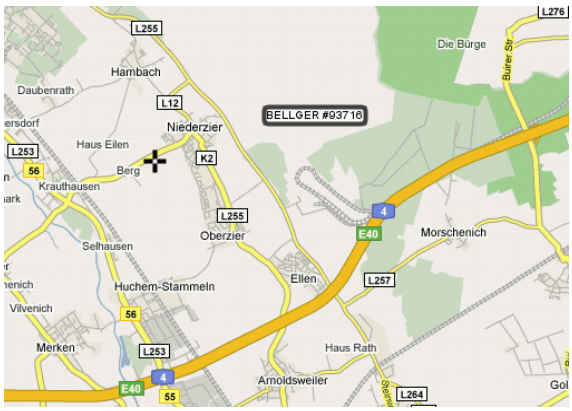
VE Sat: Virtual Earth Sat – indicates the last known position of your machine on a satellite map

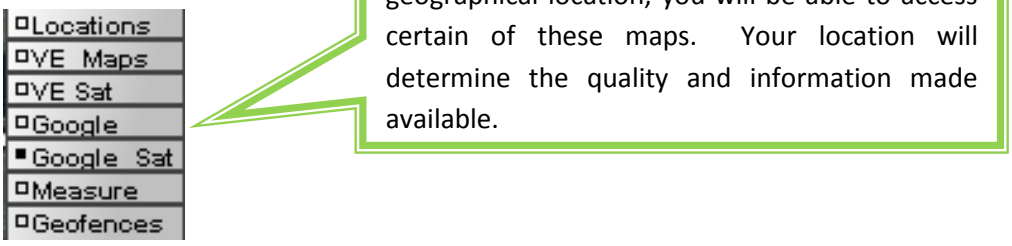
Google Map: Using Google maps to view machine's last known position

Google Sat: Using Google satellite maps to view your machines last known position

Measure: Tool than can be used to measure straight line distances between two points. Click on the measure icon, then click from where to where you want to measure the distance on the map. Should you wish to exit, double click.

Geofences: Selecting this icon, will show all geofences that has been setup.

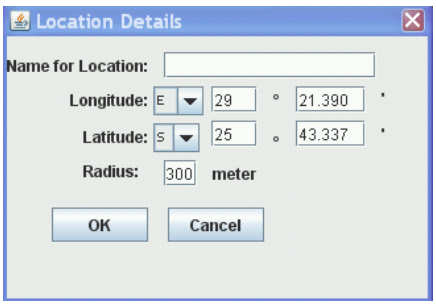



Locations
VE Maps
VE Sat
Google
Google Sat
Measure
Geofences
There is a selection of maps available from which you can choose. Depending on your geographical location, you will be able to access certain of these maps. Your location will determine the quality and information made available.

While the maps are downloading, the system will inform you as to how many parts of the map is still to be downloaded as shown in the top left corner.

7.2 Enter Location on Maps

Right click on the map
Enter the Name of the new location



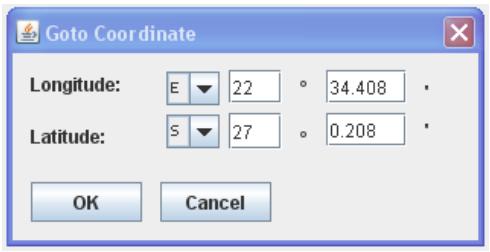
Click on “OK” to save settings.

7.3 Goto Location

Click on this function if you want to go to a location that you have created.

7.4 Goto Coordinates

Go to specific coordinates on the map once you have entered the coordinates.



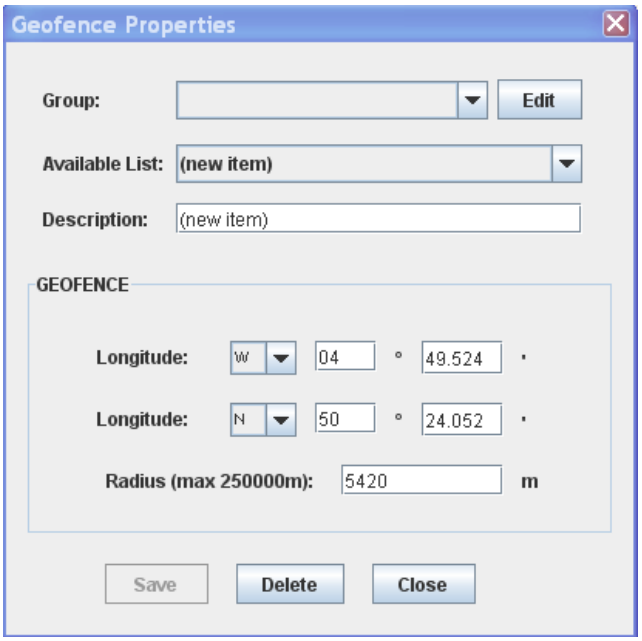
7.5 Create a Geofence

On the Max and Max plus packages a user can setup a Geofence area to which the user want to 'restrict' the machines. Please note that this geofences alert will only go out once a message has been received from the machine containing a location. Once this location has been received it will be checked against the Geofence setup to determine if the machine is still within its limitations.

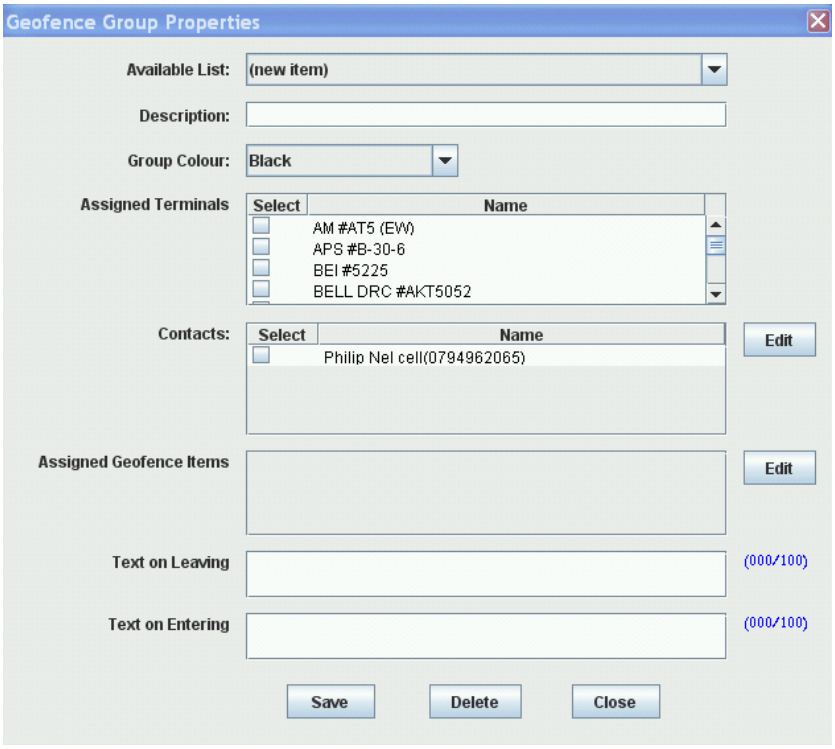
Messages that contain locations are Loading, Tipping and Events.

Before setting up a geofences, a group needs to be created to which the geofences will belong to.

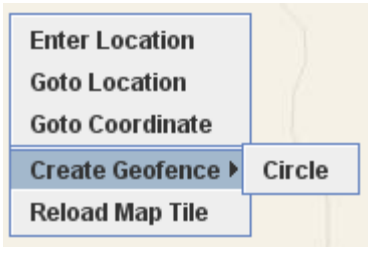
Click on the tab "create geofence" and select "circle"
Click on the map to place the geofence middle point.
Click again once you are satisfied with the radius of the geofence.
The following screen will appear



Click on the “Edit” tab to create a group first, else the system will not allow you to create a geofence.
The following screen will appear.

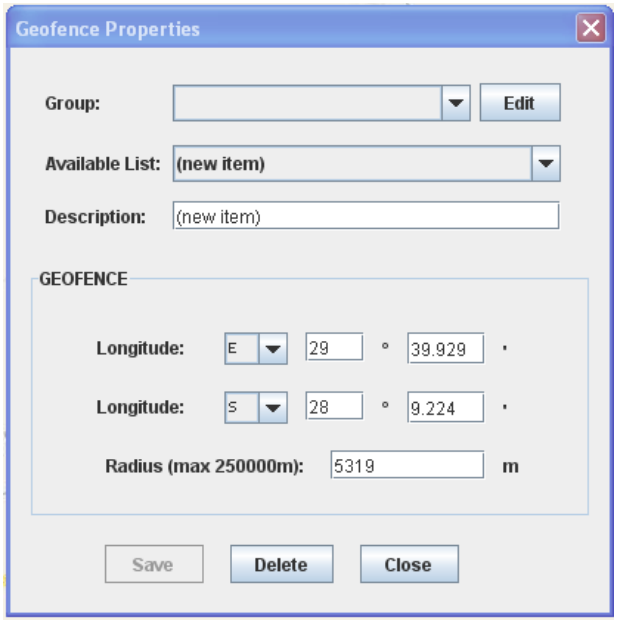


Enter the new Description
Select the group colour
Select the machines that will be linked to this group
Select the contacts that will get the notification or create a new contact by clicking on the “Edit” tab next to contacts.
Do not assign a geofences item at this stage
Enter the text that you want to be displayed when leaving the geofences and entering the geofences.
Click “save”.
Go back to the map page
Right click on the map, and select “Create Geofence”
Select “circle”



By doing so, a circle will appear on your screen. Drag the circle to the size required. The blue script will indicate the radius of the circle.

Once you are satisfied with the radius of the Geofence, click again and the following pop-up will appear.

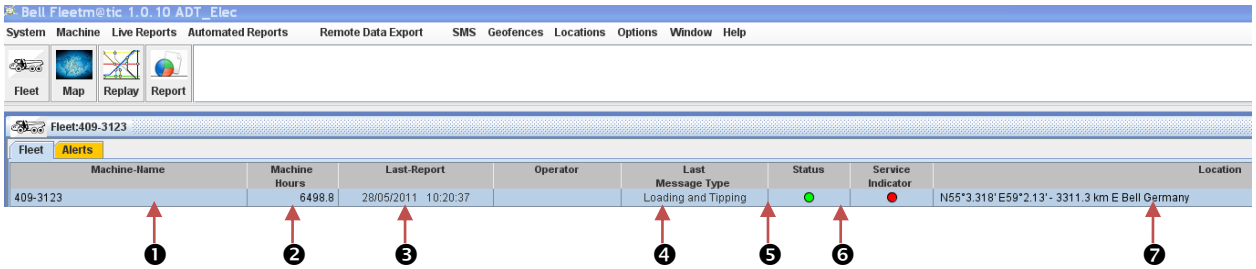


Select the group to which this geofences will belong to.
Enter the name off the geofence.
Enter the radius of the Geofence.
Click on “Save”.

7.6 Reload Map Tiles

Update the current map.

8. APPLICATION DESCRIPTIONS



8.1 Fleet

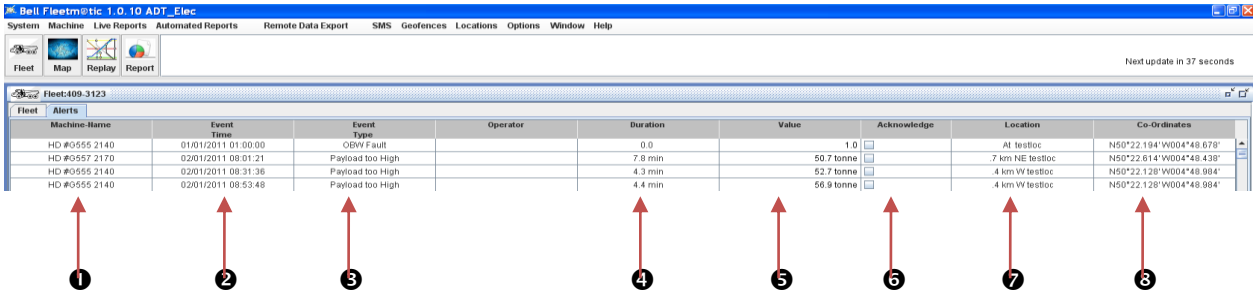
Clicking on "Fleet" will display your entire fleet.

❶Unit name	Name allocated to the machine by Administrator on request of Customer
❷Machine hours	Accumulative hours machine has worked
❸Last Report	Last time the machine reported
❹Last Message Type	Last message received from the machine
❺Status	🔴 Ignition off
	🟢 Ignition on
❻Service Indicator	🟢 Machine serviceable
	🟡 Machine due for a service
	🔴 Machine is overdue for a service
❼Location	Provide the co-ordinates of the machine

Note: By clicking on the headings, this will automatically filter based on your selection, I.e. If you click on the unit name; it will automatically filter the units alphabetically. If you click on the Machine hours, the machines will be filter based on their machine hours.

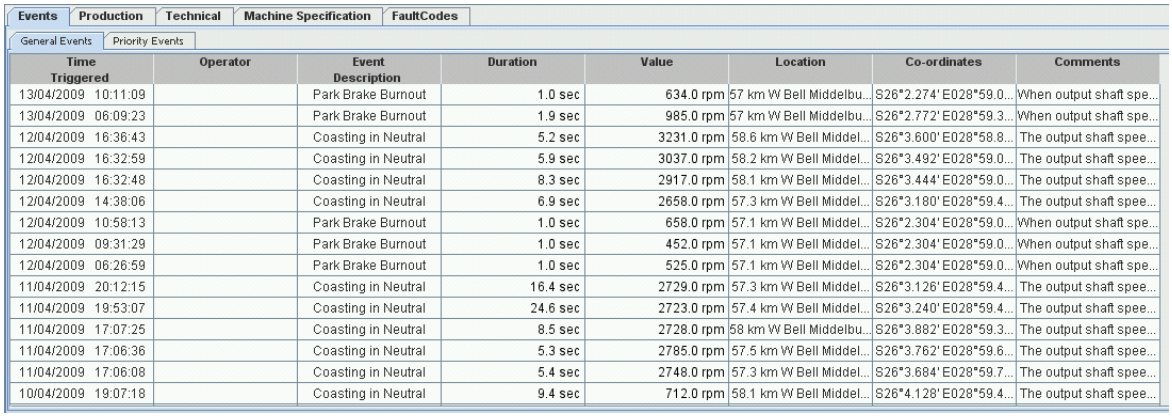
8.2 Alerts

This tab will provide you with almost live events as they occur on your machine (Events are only available on the Max and Max Plus packages and are limited to the daily event credits).


Bell Fleetm@tic 1.0.10 ADT_Elec
System Machine Live Reports Automated Reports Remote Data Export SMS Geofences Locations Options Window Help
Fleet Map Replay Report
Next update in 37 seconds
Fleet:409.3123
Fleet Alerts
Machine-Name
Event Time
Event Type
Operator
Duration
Value
Acknowledge
Location
Co-Ordinates
HD #G555 2140 01/01/2011 01:00:00 OBW Fault 0.0 1.0 At testloc N50°22.194'W004°48.678'
HD #G557 2170 02/01/2011 08:01:21 Payload too High 7.8 min 50.7 tonne .7 km NE testloc N50°22.614'W004°48.438'
HD #G555 2140 02/01/2011 08:31:36 Payload too High 4.3 min 52.7 tonne .4 km W testloc N50°22.128'W004°48.984'
HD #G555 2140 02/01/2011 08:53:48 Payload too High 4.4 min 56.9 tonne .4 km W testloc N50°22.128'W004°48.984'
❶
❷
❸
❹
❺
❻
❼
❽

❶ Unit name	Name allocated to the machine by Administrator on request of Customer
❷ Event Time	The time the event took place
❸ Event Type	Type of event that took place
❹ Duration	Duration time of the Event
❺ Value	The value of the Event, e.g. How long did the machine over speed, or how many tonnes was loaded when an overload was triggered
❻ Acknowledge	By clicking on the square block, you will acknowledge that you have taken note of the Event and the system will erase it from this screen. For history purposes, all events are placed in the events tab at the bottom of the page.
❼ Location	Provides the location where the event took place
❽ Co-ordinates	Provides the co-ordinates where the event took place

8.3 Events



Time Triggered	Operator	Event Description	Duration	Value	Location	Co-ordinates	Comments
13/04/2009 10:11:09		Park Brake Burnout	1.0 sec	634.0 rpm	57 km W Bell Middelbu...	S26°2.274' E028°59.0...	When output shaft spe...
13/04/2009 06:09:23		Park Brake Burnout	1.9 sec	985.0 rpm	57 km W Bell Middelbu...	S26°2.772' E028°59.3...	When output shaft spe...
12/04/2009 16:36:43		Coasting in Neutral	5.2 sec	3231.0 rpm	58.6 km W Bell Middel...	S26°3.600' E028°58.8...	The output shaft spee...
12/04/2009 16:32:59		Coasting in Neutral	5.9 sec	3037.0 rpm	58.2 km W Bell Middel...	S26°3.492' E028°59.0...	The output shaft spee...
12/04/2009 16:32:48		Coasting in Neutral	8.3 sec	2917.0 rpm	58.1 km W Bell Middel...	S26°3.444' E028°59.0...	The output shaft spee...
12/04/2009 14:38:06		Coasting in Neutral	6.9 sec	2658.0 rpm	57.3 km W Bell Middel...	S26°3.180' E028°59.4...	The output shaft spee...
12/04/2009 10:58:13		Park Brake Burnout	1.0 sec	658.0 rpm	57.1 km W Bell Middel...	S26°2.304' E028°59.0...	When output shaft spe...
12/04/2009 09:31:29		Park Brake Burnout	1.0 sec	452.0 rpm	57.1 km W Bell Middel...	S26°2.304' E028°59.0...	When output shaft spe...
12/04/2009 06:26:59		Park Brake Burnout	1.0 sec	525.0 rpm	57.1 km W Bell Middel...	S26°2.304' E028°59.0...	When output shaft spe...
11/04/2009 20:12:15		Coasting in Neutral	16.4 sec	2729.0 rpm	57.3 km W Bell Middel...	S26°3.126' E028°59.4...	The output shaft spee...
11/04/2009 19:53:07		Coasting in Neutral	24.6 sec	2723.0 rpm	57.4 km W Bell Middel...	S26°3.240' E028°59.4...	The output shaft spee...
11/04/2009 17:07:25		Coasting in Neutral	8.5 sec	2728.0 rpm	58 km W Bell Middelbu...	S26°3.882' E028°59.3...	The output shaft spee...
11/04/2009 17:06:36		Coasting in Neutral	5.3 sec	2785.0 rpm	57.5 km W Bell Middel...	S26°3.762' E028°59.6...	The output shaft spee...
11/04/2009 17:06:08		Coasting in Neutral	5.4 sec	2748.0 rpm	57.3 km W Bell Middel...	S26°3.684' E028°59.7...	The output shaft spee...
10/04/2009 19:07:18		Coasting in Neutral	9.4 sec	712.0 rpm	58.1 km W Bell Middel...	S26°4.128' E028°59.4...	The output shaft spee...

Events are categorized into two criteria's.

General Events – Events that will not cause immediate damage

Priority Event – Events that require immediate action by the customer as they can cause serious damage to property or persons.

The reason for categorizing events is to ensure that priority is given to the priority events. Each machine on the Max or Max Plus package will have a daily limit of 10 events it can send. This limit is broken up into 5 general event and 5 priority events, ensuring that priority events are sent when triggered. Event credits are rolled over to the next day, if not used, but is void at the end of each month.
Clicking on this event tab, will display two sub-tabs, "General Events" and "Priority Events".

An Event description will clearly stipulate the time the event was trigged, the operator, event description, duration thereof, value, where it happened and additional comments regarding the event.

List of General events

- ***Hydraulic temperature too high***
  Triggered after the temperature has exceeded 100°C for more than 30 seconds.
- ***Battery voltage too high***
  Triggered when the battery voltage exceeds 29.5V for more than 1 second.
- ***Excessive idling***
  Trigger after 20 min of machine idling
- ***Payload too high***
  Triggered when machines tips and the payload exceeded the below limits.
  B20D - 20 Tonnes
  B25D - 25 Tonnes
  B30D - 30Tonnes
  B35D - 35 Tonnes
  B40D - 40 Tonnes
  B50D - 50 Tonnes
- ***Fleetmatic Test message***
  For testing purposes only. Sent by Bell personnel from the machine.
- ***SDM Acknowledgement***
  For testing purposes only. Sent by the Fleetmatic server to acknowledge the Fleetmatic test message sent from the machine.
- ***Service reset***
  Sent by Bell personnel once they have completed the service off the machine. Please refer to automatic service due notification for more info.
- ***Park brake burnout***
  Triggered when output shaft speed is higher than 300 RPM and the park brake is engaged for more than 1 second.
- ***VIN reload***
  Sent when machine has been programmed by Bell personnel
- ***Material selection changed***
  Triggered when operator changed the material type on the MDU.
- ***Unexpected engine shutdown***
  When the engine RPM goes below 400 RPM without a request to shut down. i.e. stalling the machine
- ***OBW Fault***

When the On-board weighing module sends values that is not within specified parameters. Possibility of wiring to the OBW module or strain gauge problem.

- ***Exhaust brake protection***
  When the exhaust brake valve fails in the closed position.
- ***Coasting in neutral***
  Triggered when the output shaft speed is greater than 275 RPM(+- 5km/h) and the actual gear is Neutral and both these conditions has existed uninterrupted for longer than 5 seconds. The duration is defined as the total time starting when actual gear is Neutral while output shaft speed is greater than 275 RPM, until either the output shaft speed is less than 275 RPM or the actual gear is not equal to Neutral. The value of this event is defined as the max value that the output shaft speed reached during the trigger period.
- ***Leaving geofence***
  Notification of time when machine left the geofence. Refer to options for more detail.
- ***Entering geofence***
  Notification of time when machine entered the geofence. Refer to options for more detail.
- ***Excessive standing still***
  Triggered after standing still for more than the set time limit.
- **Harsh Braking**
  Triggered when the output speed shaft reduce at a rate of more than 1233RPM per second.

List of Priority Events

- ***Engine speed too high***
  When the engine RPM exceeds the values below for more than 500 milliseconds.
  B20D – 2900 RPM
  B25D – 2900 RPM
  B30D – 2900 RPM
  B35D – 3000 RPM
  B40D – 3000 RPM
  B45D – 3000 RPM
  B50D – 3000 RPM
- ***Engine coolant temperature too high***
  Triggered when engine coolant temperature exceed 106°C for 1 second.
- ***Transmission temperature too high***
  When the transmission temperature exceeds the values below, for 30 seconds.
  B20D – 101 degrees Celsius
  B25D – 101 degrees Celsius
  B30D – 101 degrees Celsius
  B35D – 118 degrees Celsius
  B40D – 118 degrees Celsius
  B45D – 118 degrees Celsius
  B50D – 118 degrees Celsius
- ***Vehicle speed too high***
  When the vehicle speed exceeds the values below for 1 second
  B20D – 67 km/h
  B25D – 59 km/h
  B30D – 59 km/h
  B35D – 60 km/h
  B40D – 58 km/h
  B45D – 53 km/h
  B50D – 53 km/h

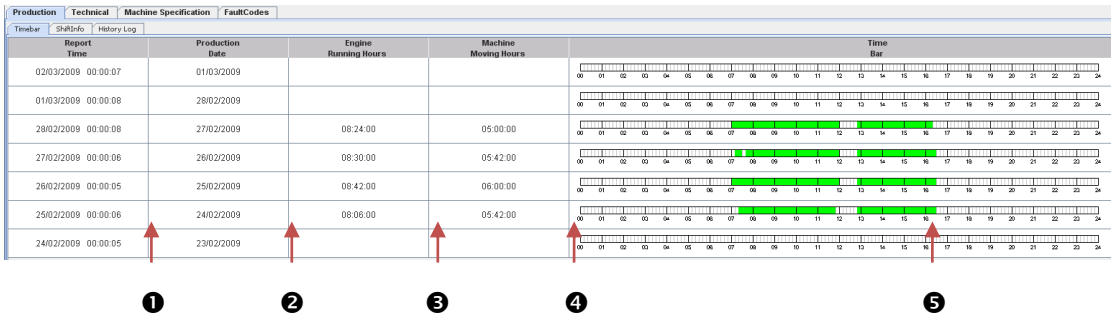
- ***Critical log triggered***
  The following events will trigger a critical log. This log will record the following parameters on the Memory Module on the machine 5 minutes before the event was trigger until 5 minutes after.
- ***Freewheeling***
  Trigger when the Operator selects neutral and the output shaft speed is greater than 3000RPM for more than 1 second.
- ***Output shaft speed too high***
  The output shaft speed exceeds 3700 RPM for more than 1 second.
- ***Wet disk brake temperature to high***
  Triggered when temperature exceeds 108°C, for longer than 30 seconds.
- ***Oil Pressure too low***
  Triggered when the engine oil pressure falls below the required pressure for the given engine speed for more than 1 second. The pressure versus engine speed is:
  50 rpm – 0.2 bar
  600 rpm – 0.5 bar
  1000 rpm – 0.9 bar
  1400 rpm – 1.3 bar
  1800 rpm – 1.6 bar
  2200 rpm – 2.0 bar
  2600 rpm – 2.5 bar

8.4 Production – Subs Tabs (Timebar, Shift Info & History Log)

In addition to automated reports, one can look at the raw data under the production tab as well.

The information available is once again limited to the package subscribe to. For example only the Max and Max plus will display information under the History log tab.

8.4.1 Timebar



This window displays the 7 most recent data entries and will show you the:

❶ Report time
❷ Production date
❸ Engine running hours (actual hours the engine was running)
❹ Machine moving hours (engine running & machine moving at >5km/h)
❺ The Time Bar will indicate the time that the Engine was running. Each hour is broken up in 10 minute intervals. Should the engine have been running for 5-10 minutes during this interval, we make the timebar green. Should the engine have been running for less than 5 minutes during this interval the timebar will remain “blank”. The effect would be that the timebar and

machine hours worked per shift, could not match 100%, as we calculate the machine hours work in the shift with second intervals and the timebar only with 10minute intervals. The engine therefore could have been running for 14minutes, but the timebar will only indicate 10 minutes.

8.4.2 Shift Info

Timebar | ShiftInfo | History Log

Report Time	Shift Date	Shift Duration	Operator	Machine Hours	Machine Odometer [km]	Shift Hours	Total [km]
21/05/2009 00:00:03	21/05/2009	00:00:00 - 00:00:00		107.5	1399.0		
20/05/2009 00:00:02	20/05/2009	00:00:00 - 00:00:00		107.5	1399.0		
19/05/2009 00:00:01	19/05/2009	00:00:00 - 00:00:00		107.5	1399.0	00:06:00	
18/05/2009 00:00:03	18/05/2009	00:00:00 - 00:00:00		107.4	1399.0		
17/05/2009 00:00:02	17/05/2009	00:00:00 - 00:00:00		107.4	1399.0		
16/05/2009 00:00:02	16/05/2009	00:00:00 - 00:00:00		107.4	1399.0	00:06:00	
15/05/2009 00:00:02	15/05/2009	00:00:00 - 00:00:00		107.3	1399.0		
14/05/2009 00:00:01	14/05/2009	00:00:00 - 00:00:00		107.3	1399.0		
13/05/2009 00:00:01	13/05/2009	00:00:00 - 00:00:00		107.3	1399.0		

The Shift Info tab displays the 9 most recent data entries of information. This information contains all the information in the detail shift report and more.

8.4.3 History Log

Timebar | ShiftInfo | History Log

Report Time	Message Type	Operator	Ignition Security	Operator Expiry [weeks]	Unladen Fuel in Cycle [l/h]	Unladen Dist. in Cycle [km]	Unladen Idle in Cycle [min]	Laden Fuel in Cycle [l/h]	Laden Dist. in Cycle [km]	Laden Idle in Cycle [min]	Loading Location
19/05/2009 16:09:51	Ignition Off										
19/05/2009 15:29:53	Ignition On		No Security	31							
19/05/2009 15:15:58	Ignition Off										
19/05/2009 15:15:43	Loading and Tipping				9.8	1.6	00:04:00	9.8			3108.5 km SW Bell Wi...
19/05/2009 15:15:23	Ignition On		No Security	31							
19/05/2009 14:26:37	Ignition Off										
19/05/2009 14:14:47	Loading and Tipping				17.0	3.6	00:03:00	13.6	3.6	00:08:00	192.5 km W Bell Bell G...

The History Log will provide you with the 200 most recent data entries for the specific machine. This information will include ignition on and off, loading and tippings etc. Once again the data is limited to the package subscription.

8.5 Technical – Sub Tabs (Vehicle, Transmission & Engine)

8.5.1 Vehicle

Events | Production | Technical | Machine Specification | FaultCodes

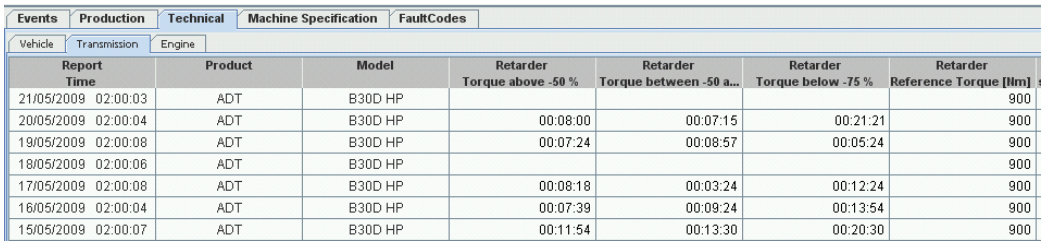
Vehicle | Transmission | Engine

Report Time	Product	Model	Load below 20.7 tonnes	Load between 20.7 and 23.0 ...	Load between 23.0 and 24.2 ...	Load between 24.2 and 25.3 ...
27/05/2009 02:00:00	ADT	B25D	03:05:00	00:02:42		
26/05/2009 02:00:01	ADT	B25D	03:31:30	00:00:54		

Displays the 9 most recent statistical data available, to indicate various parameters and the time spent in each, i.e.

- Measures the number of seconds the machine was overloaded in 5 different levels
- Hydraulic oil temperature
- Wet disc temperature
- Events triggered
- Number of Events credits available for the month
- Battery voltage
- Speed limit type
- Speed limit
- Speed limit exceeded

8.5.2 Transmission



Events | Production | Technical | Machine Specification | FaultCodes

Vehicle | Transmission | Engine

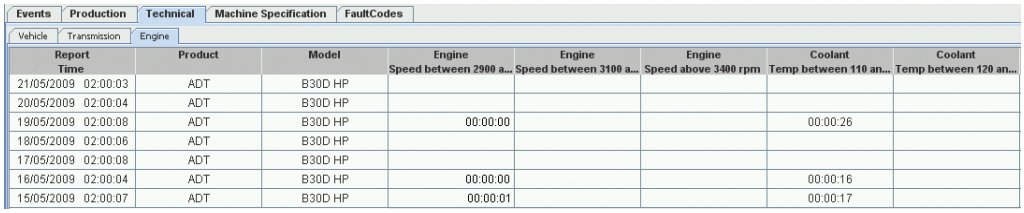
Report Time	Product	Model	Retarder Torque above -50 %	Retarder Torque between -50 a...	Retarder Torque below -75 %	Retarder Reference Torque [Nm]
21/05/2009 02:00:03	ADT	B30D HP				900
20/05/2009 02:00:04	ADT	B30D HP	00:08:00	00:07:15	00:21:21	900
19/05/2009 02:00:08	ADT	B30D HP	00:07:24	00:08:57	00:05:24	900
18/05/2009 02:00:06	ADT	B30D HP				900
17/05/2009 02:00:08	ADT	B30D HP	00:08:18	00:03:24	00:12:24	900
16/05/2009 02:00:04	ADT	B30D HP	00:07:39	00:09:24	00:13:54	900
15/05/2009 02:00:07	ADT	B30D HP	00:11:54	00:13:30	00:20:30	900

Displays the 9 most recent statistical data entries relating to Transmission information:

- Retarder torque in specific levels
- Transmission sump oil temperature
- Output shaft speed
- Retarder oil temperature
- Number of Up-shifts
- Number of Down-shifts
- Amount of time machine was engaged in a specific gear
- 1st and 2nd gear lock-up time
- Service indicator

8.5.3 Engine

Displays the 9 most recent statistical data entries relating to Engine information:



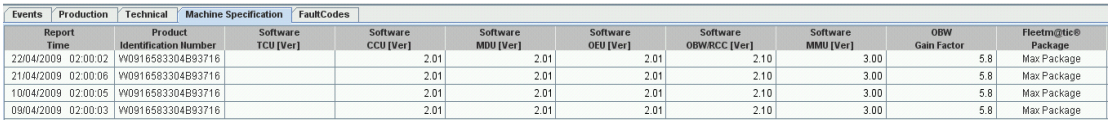
Events | Production | Technical | Machine Specification | FaultCodes

Vehicle | Transmission | Engine

Report Time	Product	Model	Engine Speed between 2900 a...	Engine Speed between 3100 a...	Engine Speed above 3400 rpm	Coolant Temp between 110 an...	Coolant Temp between 120 an...
21/05/2009 02:00:03	ADT	B30D HP					
20/05/2009 02:00:04	ADT	B30D HP					
19/05/2009 02:00:08	ADT	B30D HP	00:00:00			00:00:26	
18/05/2009 02:00:06	ADT	B30D HP					
17/05/2009 02:00:08	ADT	B30D HP					
16/05/2009 02:00:04	ADT	B30D HP	00:00:00			00:00:16	
15/05/2009 02:00:07	ADT	B30D HP	00:00:01			00:00:17	

- Engine speed over revs in specific levels
- Coolant temperature
- Oil pressure
- Idle time
- Engine torque
- Retarder torque
- Engine oil temperature
- Throttle position
- Total engine hours
- Exhaust brake count

8.6 Machine Specifications



Events | Production | Technical | Machine Specification | FaultCodes

Report Time	Product Identification Number	Software TCU [Ver]	Software CCU [Ver]	Software MDU [Ver]	Software OEU [Ver]	Software OBW/RCC [Ver]	Software MMU [Ver]	OBW Gain Factor	Fleetm@tic® Package
22/04/2009 02:00:02	VW0916583304B93716		2.01	2.01	2.01	2.10	3.00	5.8	Max Package
21/04/2009 02:00:06	VW0916583304B93716		2.01	2.01	2.01	2.10	3.00	5.8	Max Package
10/04/2009 02:00:05	VW0916583304B93716		2.01	2.01	2.01	2.10	3.00	5.8	Max Package
09/04/2009 02:00:03	VW0916583304B93716		2.01	2.01	2.01	2.10	3.00	5.8	Max Package

Displays the machine specifications as well as optional extras that have been activated.

- Software versions
- OBW gain factor
- ***Fleetm@tic® II*** Package
- Geofence radius in km
- Tyre size
- Machine type
- Optional extras available (a ✓ indicates that the specific “extra” has been activated)

8.7 Fault Codes

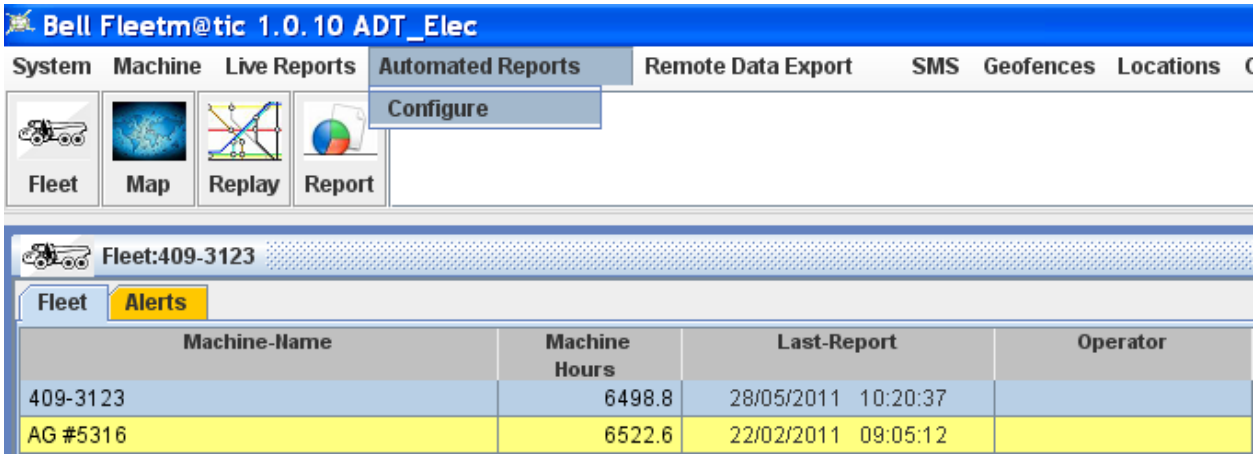
Fault code tab will display any “Faults” which were recorded on the machine for the previous day. The report time indicates when the fault code was transmitted and does not indicate the time when the fault occurred.

9. REPORTS SETUP

Fleetm@tic® II will generate Automated Reports and e-mail them to you on a daily basis, after the end of each shift, Weekly, Monthly or once only. The reports you will be able to receive are linked to the package you have subscribed to.

9.1 Setting up reports

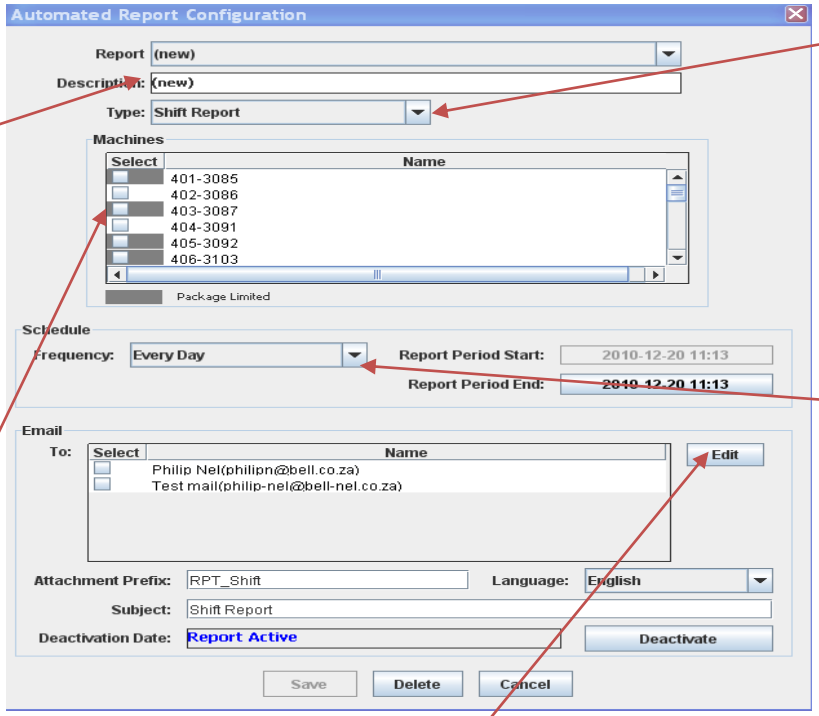
Select "Automated Reports" and then "Configure"



The screen below will appear.

At the "Description" tab, highlight "New" and type in a report name. Only use alphabetical characters in your name of the report – no *&^%$#

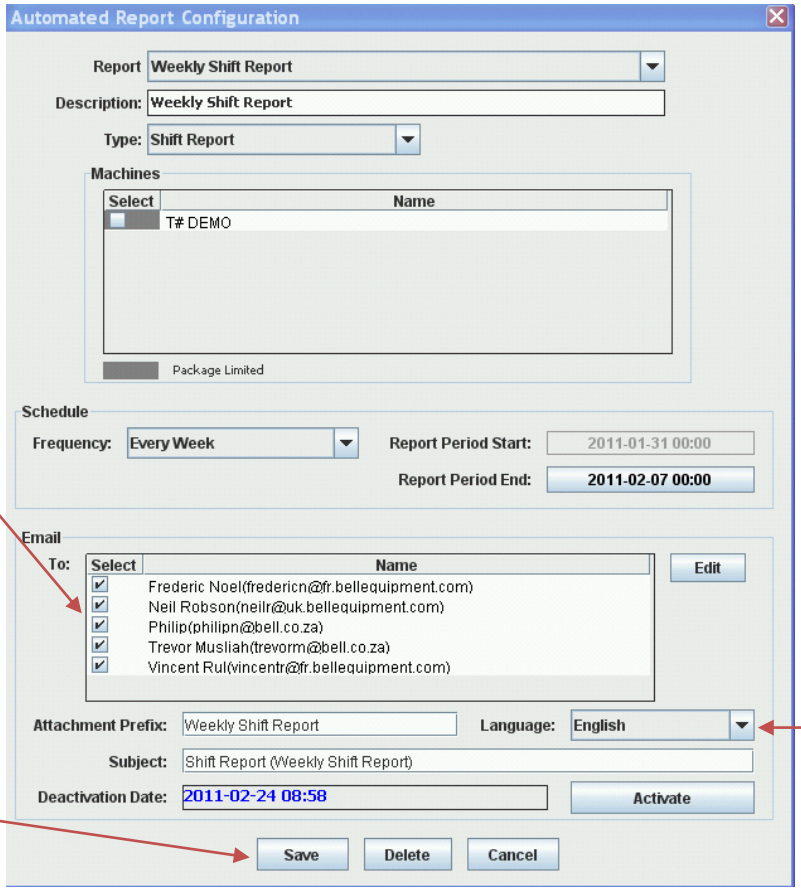
Select the machines you would like to have included in this specific report. Machines with a gray block behind them are limited due to their package.



Select the type of report (Shift, Timebar, etc.) Remember that the type of reports are linked to the package you have subscribed to

Select the frequency on which you would like to receive this report, per shift, daily, weekly or monthly

Click on the "Edit" icon to add a new recipient's contact detail



Select the contacts who should be receiving this report

After you have activated the report, click on "Save" to save the report

Click on the drop-down to select the language in which you would like to receive this report

9.2 Back dating reports

Reports can be backdated, should the user require reports from the past. Please see the limits below for back dating the reports.

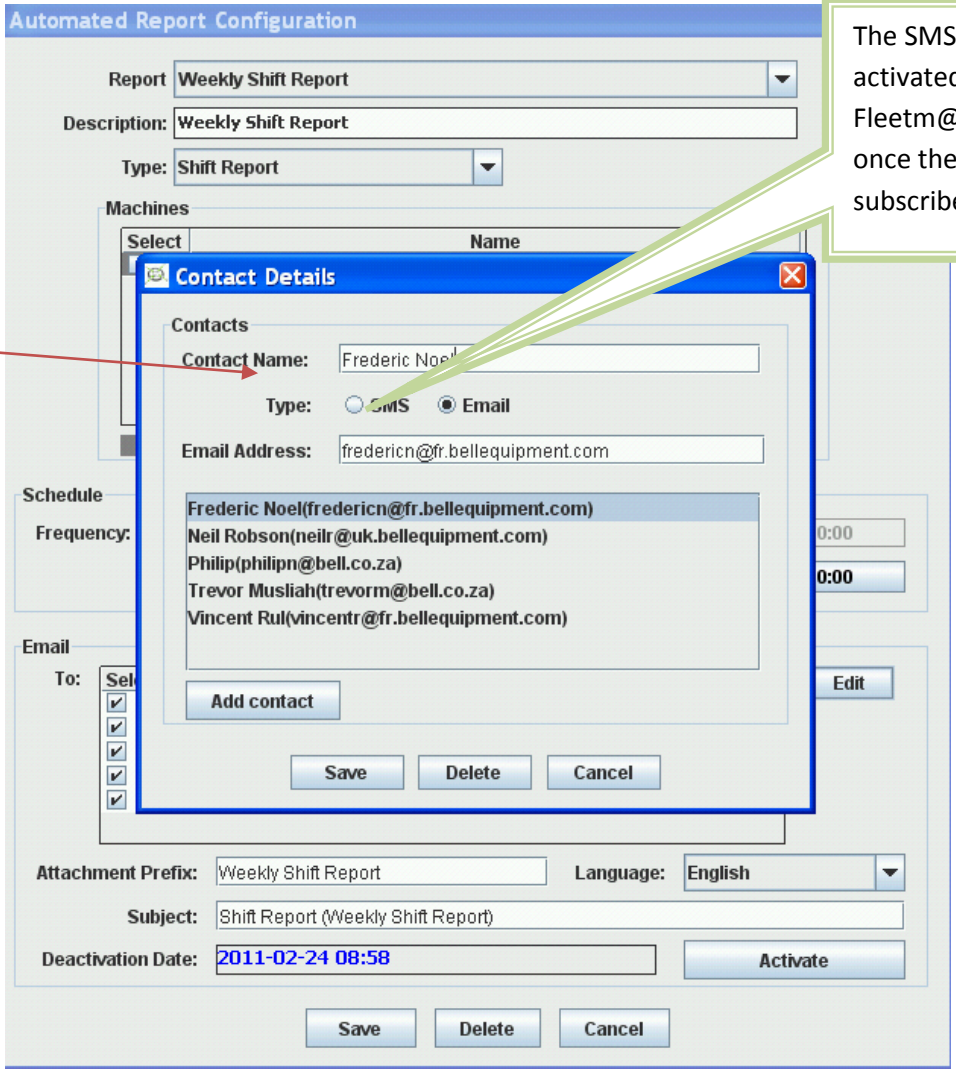
Report Type	Frequency	LIMIT_BACKDATE_DAYS	LIMIT_RPT_PERIOD_FLEET	LIMIT_RPT_PERIOD_UNIT
		A limit (days) of the days backward in history that you can select	A limit (days) of the time window that you can select for more than one unit	A limit (days) of the time window that you can select for one unit
Shift Report	Every Day	90	1	1
Shift Report	Every Week	90	7	7
Shift Report	Every Month	90	31	31
Shift Report	Per Shift	90	1	1
Shift Report	Only Once	90	62	62
Timebar Report	Every Day	90	1	1
Timebar Report	Every Week	90	7	7
Timebar Report	Every Month	90	31	31
Timebar Report	Per Shift	90	1	1
Timebar Report	Only Once	90	62	62
Load Report	Every Day	90	1	1
Load Report	Every Week	90	7	7

Load Report	Every Month	90	0	31
Load Report	Per Shift	90	1	1
Load Report	Only Once	90	7	62
Event Report	Every Day	90	1	1
Event Report	Every Week	90	7	7
Event Report	Every Month	90	31	31
Event Report	Per Shift	90	1	1
Event Report	Only Once	90	62	62

9.3 Adding a Contact

Click on "Add Contact. Enter a Contact's name and select the sms option to enter a cell phone number or the email option to enter an email address

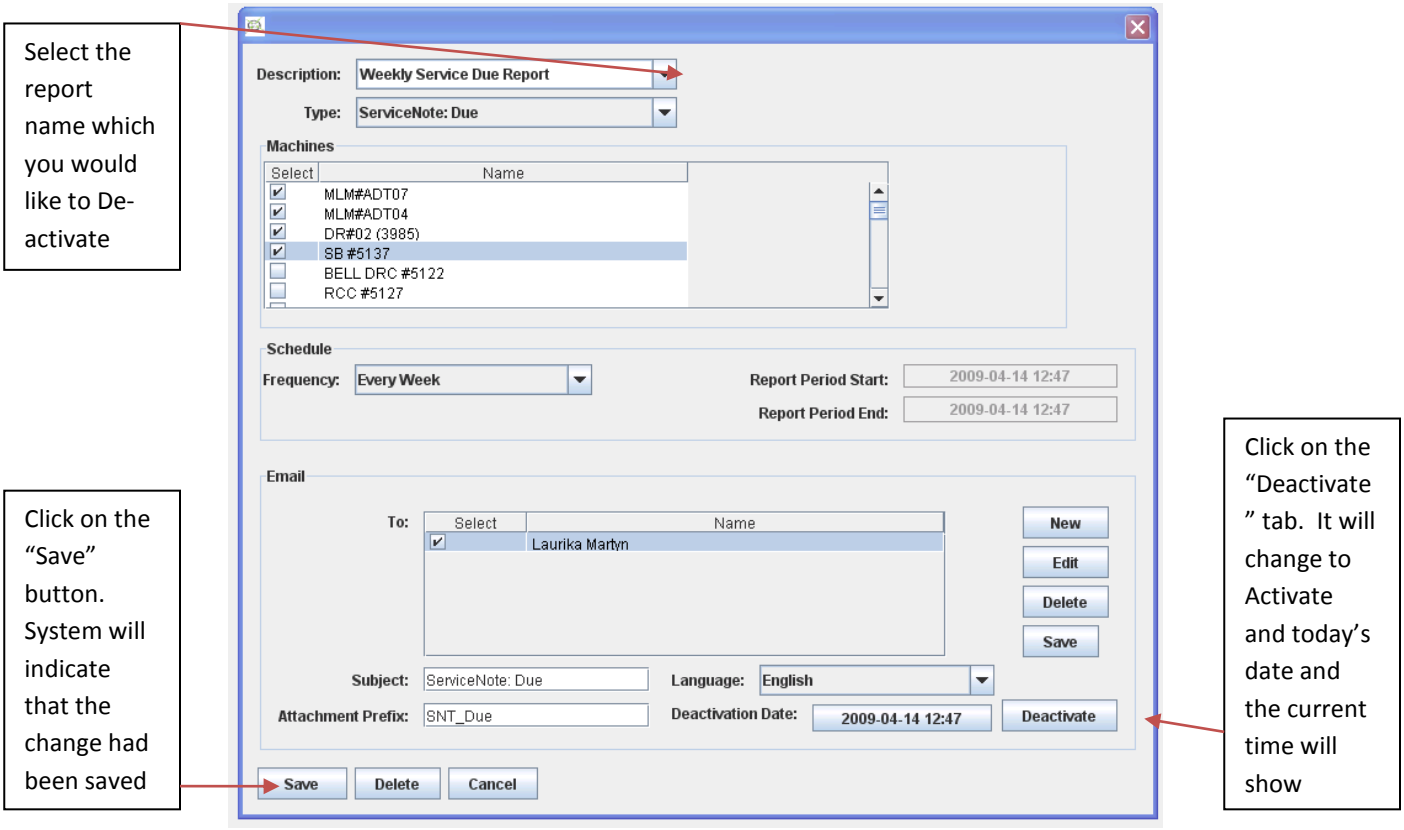
The SMS function can be activated by the Fleetm@tic® Administrator once the Customer has subscribed



Click on "save" and the contact will be added to your list.

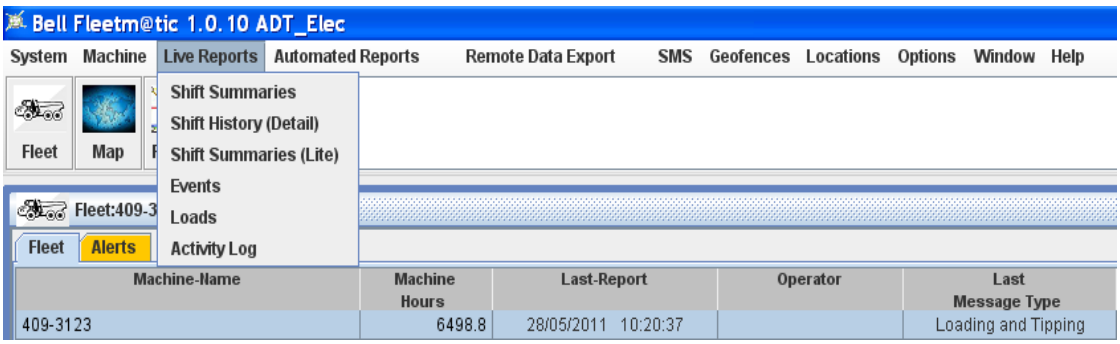
9.4 De-activating a Report

By following the easy steps below, you can de-activate reports should you wish to no longer receive them.

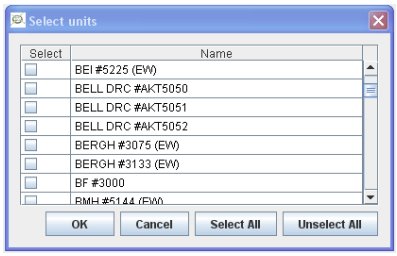


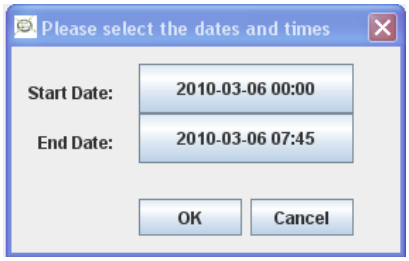
9.5 Live Reports

Using "Live Reports" you are capable of calling up the latest information on Shifts, Events, Loads, Activity Log and Shift summaries (Lite package).

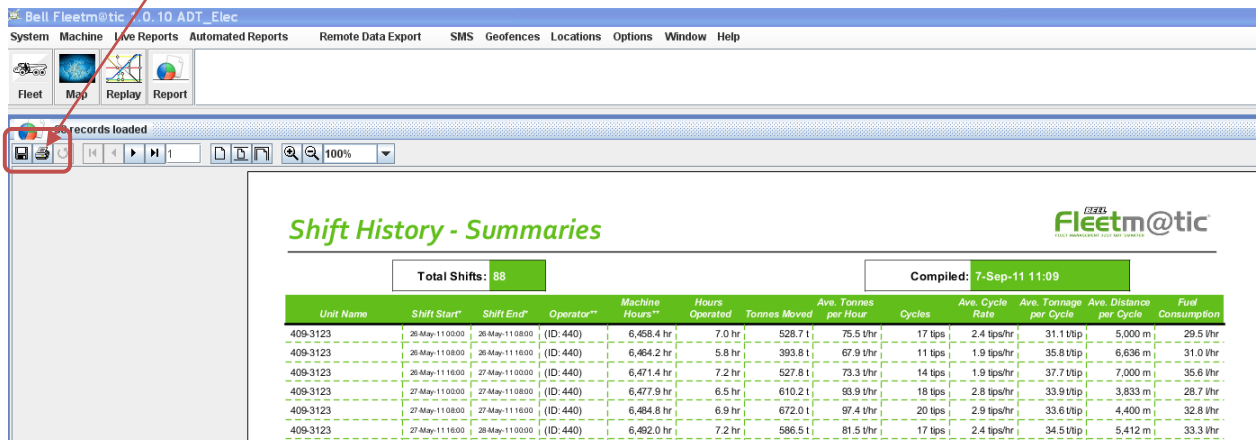


Selecting the "Shift Summaries" will prompt you to select either one or all of your machines. Once you have selected the machine(s) and have clicked on "OK", a date prompt will appear. Simply select the date in question and then "OK".

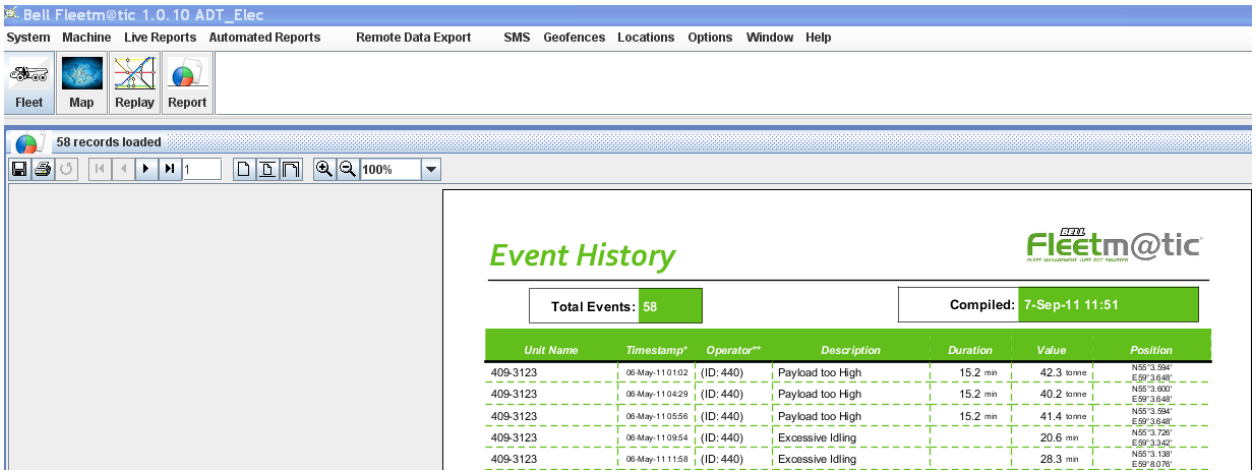




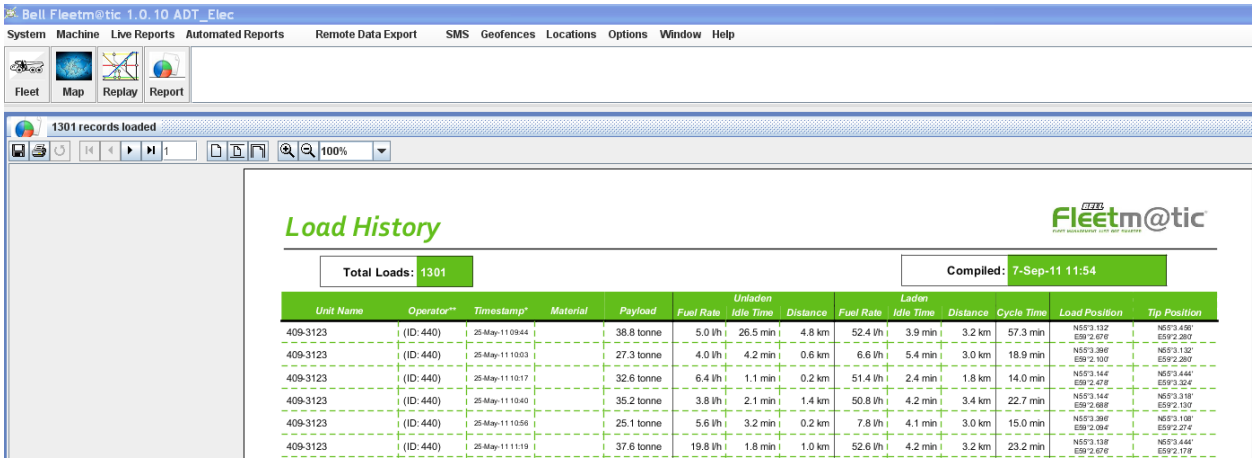
The screen below will be displayed with the machine(s) shift history. You may print or save the reports, using these buttons


Bell Fleetm@tic 1.0.10 ADT_Elec
System Machine Live Reports Automated Reports Remote Data Export SMS Geofences Locations Options Window Help
Fleet
Map
Replay
Report
records loaded
Shift History - Summaries
Fleetm@tic
Total Shifts: 88
Compiled: 7-Sep-11 11:09
Unit Name | Shift Start* | Shift End* | Operator** | Machine Hours** | Hours Operated | Tonnes Moved | Ave. Tonnes per Hour | Cycles | Ave. Cycle Rate | Ave. Tonnage per Cycle | Ave. Distance per Cycle | Fuel Consumption
409-3123 | 26-May-11 09:00 | 26-May-11 08:00 | (ID: 440) | 6,458.4 hr | 7.0 hr | 528.7 t | 75.5 t/hr | 17 tips | 2.4 tips/hr | 31.1 t/tip | 5,000 m | 29.5 l/hr
409-3123 | 26-May-11 08:00 | 26-May-11 16:00 | (ID: 440) | 6,464.2 hr | 5.8 hr | 393.8 t | 67.9 t/hr | 11 tips | 1.9 tips/hr | 35.8 t/tip | 6,636 m | 31.0 l/hr
409-3123 | 26-May-11 16:00 | 27-May-11 00:00 | (ID: 440) | 6,471.4 hr | 7.2 hr | 527.8 t | 73.3 t/hr | 14 tips | 1.9 tips/hr | 37.7 t/tip | 7,000 m | 35.6 l/hr
409-3123 | 27-May-11 00:00 | 27-May-11 08:00 | (ID: 440) | 6,477.9 hr | 6.5 hr | 610.2 t | 93.9 t/hr | 18 tips | 2.8 tips/hr | 33.9 t/tip | 3,833 m | 28.7 l/hr
409-3123 | 27-May-11 08:00 | 27-May-11 16:00 | (ID: 440) | 6,484.8 hr | 6.9 hr | 672.0 t | 97.4 t/hr | 20 tips | 2.9 tips/hr | 33.6 t/tip | 4,400 m | 32.8 l/hr
409-3123 | 27-May-11 16:00 | 28-May-11 00:00 | (ID: 440) | 6,492.0 hr | 7.2 hr | 586.5 t | 81.5 t/hr | 17 tips | 2.4 tips/hr | 34.5 t/tip | 5,412 m | 33.3 l/hr

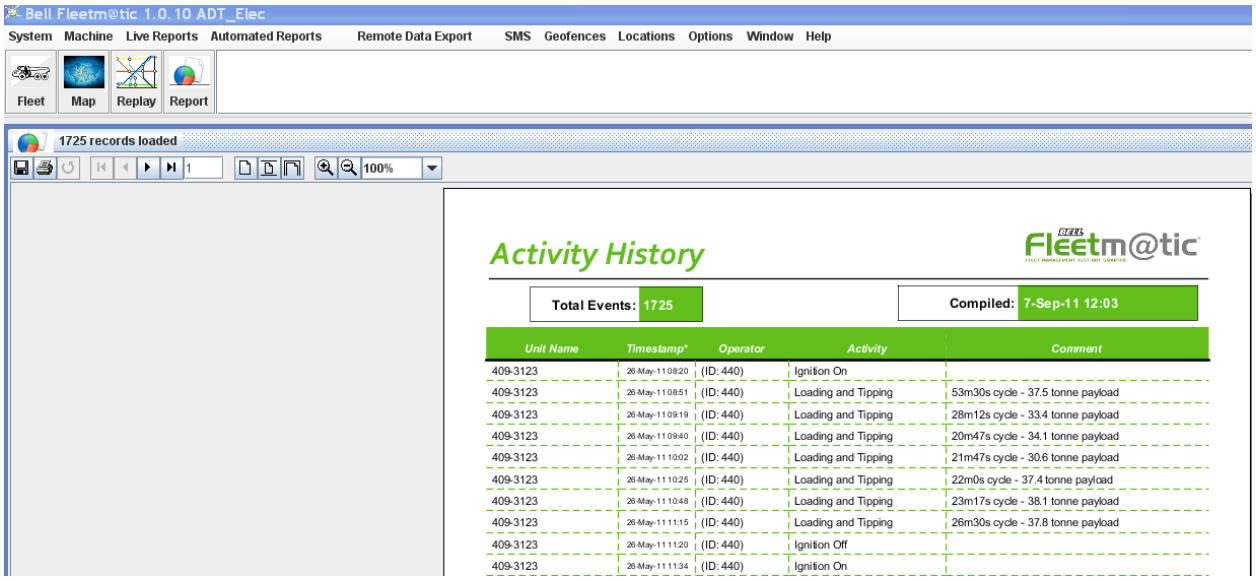
Selecting “Events” will enable you to view events as requested by yourself for specified dates. Once again the reports can be saved or printed.


Bell Fleetm@tic 1.0.10 ADT_Elec
System Machine Live Reports Automated Reports Remote Data Export SMS Geofences Locations Options Window Help
Fleet
Map
Replay
Report
58 records loaded
Event History
Fleetm@tic
Total Events: 58
Compiled: 7-Sep-11 11:51
Unit Name | Timestamp* | Operator** | Description | Duration | Value | Position
409-3123 | 06-May-11 01:02 | (ID: 440) | Payload too High | 15.2 min | 42.3 tonne | N55°3.594' E59°3.648'
409-3123 | 06-May-11 04:29 | (ID: 440) | Payload too High | 15.2 min | 40.2 tonne | N55°3.600' E59°3.648'
409-3123 | 06-May-11 05:56 | (ID: 440) | Payload too High | 15.2 min | 41.4 tonne | N55°3.594' E59°3.648'
409-3123 | 06-May-11 09:54 | (ID: 440) | Excessive Idling | | 20.6 min | N55°3.726' E59°3.342'
409-3123 | 06-May-11 11:58 | (ID: 440) | Excessive Idling | | 28.3 min | N55°3.138' E59°8.076'

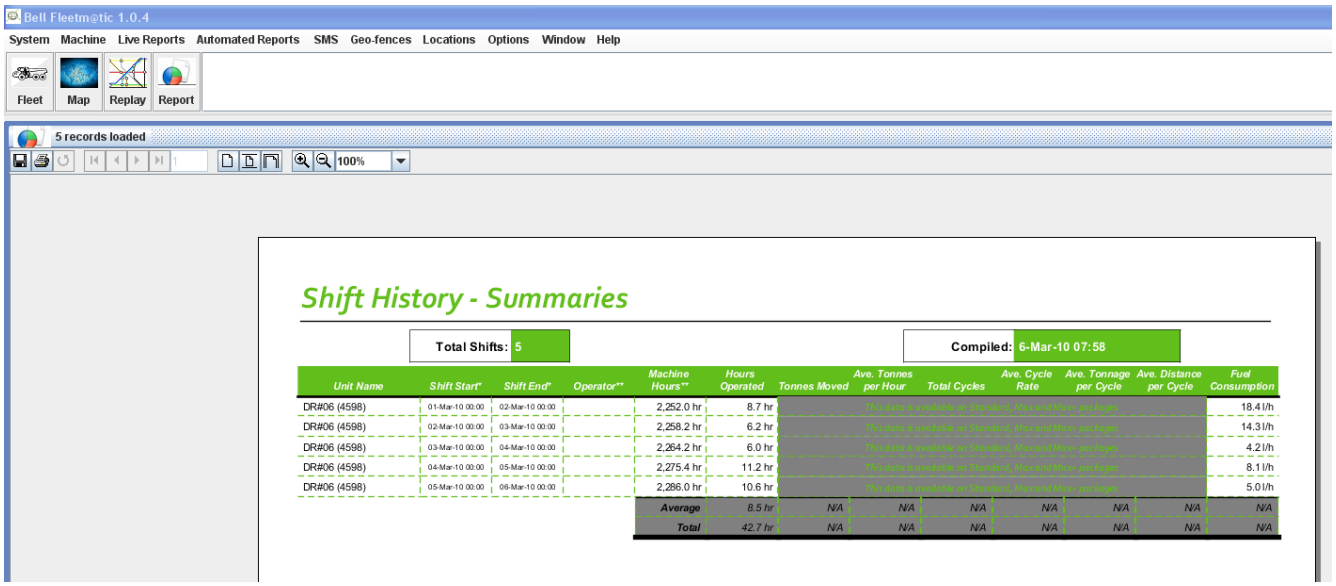
Live Load reports are also available. Simply select the machine(s) and the dates you require the information for. Reports can be printed or saved.


Bell Fleetm@tic 1.0.10 ADT_Elec
System Machine Live Reports Automated Reports Remote Data Export SMS Geofences Locations Options Window Help
Fleet Map Replay Report
1301 records loaded
100%
Load History
Fleetm@tic
Total Loads: 1301
Compiled: 7-Sep-11 11:54
Unit Name | Operator** | Timestamp* | Material | Payload | Unladen Fuel Rate | Unladen Idle Time | Unladen Distance | Laden Fuel Rate | Laden Idle Time | Laden Distance | Cycle Time | Load Position | Tip Position
409-3123 | (ID: 440) | 25-May-11 09:44 | | 38.8 tonne | 5.0 l/h | 26.5 min | 4.8 km | 52.4 l/h | 3.9 min | 3.2 km | 57.3 min
409-3123 | (ID: 440) | 25-May-11 10:03 | | 27.3 tonne | 4.0 l/h | 4.2 min | 0.6 km | 6.6 l/h | 5.4 min | 3.0 km | 18.9 min
409-3123 | (ID: 440) | 25-May-11 10:17 | | 32.6 tonne | 6.4 l/h | 1.1 min | 0.2 km | 51.4 l/h | 2.4 min | 1.8 km | 14.0 min
409-3123 | (ID: 440) | 25-May-11 10:40 | | 35.2 tonne | 3.8 l/h | 2.1 min | 1.4 km | 50.8 l/h | 4.2 min | 3.4 km | 22.7 min
409-3123 | (ID: 440) | 25-May-11 10:56 | | 25.1 tonne | 5.6 l/h | 3.2 min | 0.2 km | 7.8 l/h | 4.1 min | 3.0 km | 15.0 min
409-3123 | (ID: 440) | 25-May-11 11:19 | | 37.6 tonne | 19.8 l/h | 1.8 min | 1.0 km | 52.6 l/h | 4.2 min | 3.2 km | 23.2 min

Activity log supplies you with a list of activities, ie. Ignition on and off and any events. Reports can be printed or saved.


Bell Fleetm@tic 1.0.10 ADT_Elec
System Machine Live Reports Automated Reports Remote Data Export SMS Geofences Locations Options Window Help
Fleet Map Replay Report
1725 records loaded
100%
Activity History
Fleetm@tic
Total Events: 1725
Compiled: 7-Sep-11 12:03
Unit Name | Timestamp* | Operator | Activity | Comment
409-3123 | 26-May-11 08:20 | (ID: 440) | Ignition On |
409-3123 | 26-May-11 08:51 | (ID: 440) | Loading and Tipping | 53m30s cycle - 37.5 tonne payload
409-3123 | 26-May-11 09:19 | (ID: 440) | Loading and Tipping | 28m12s cycle - 33.4 tonne payload
409-3123 | 26-May-11 09:40 | (ID: 440) | Loading and Tipping | 20m47s cycle - 34.1 tonne payload
409-3123 | 26-May-11 10:02 | (ID: 440) | Loading and Tipping | 21m47s cycle - 30.6 tonne payload
409-3123 | 26-May-11 10:25 | (ID: 440) | Loading and Tipping | 22m0s cycle - 37.4 tonne payload
409-3123 | 26-May-11 10:48 | (ID: 440) | Loading and Tipping | 23m17s cycle - 38.1 tonne payload
409-3123 | 26-May-11 11:15 | (ID: 440) | Loading and Tipping | 26m30s cycle - 37.8 tonne payload
409-3123 | 26-May-11 11:20 | (ID: 440) | Ignition Off |
409-3123 | 26-May-11 11:34 | (ID: 440) | Ignition On |

The Live Report – Shift summaries (Lite) will only apply to users on the Lite package. Reports can be printed or saved.


Bell Fleetm@tic 1.0.4
System Machine Live Reports Automated Reports SMS Geo-fences Locations Options Window Help
Fleet Map Replay Report
5 records loaded
100%
Shift History - Summaries
Total Shifts: 5
Compiled: 6-Mar-10 07:58
Unit Name Shift Start* Shift End* Operator** Machine Hours** Hours Operated Tonnes Moved Ave. Tonnes per Hour Total Cycles Ave. Cycle Rate Ave. Tonnage per Cycle Ave. Distance per Cycle Fuel Consumption
DR#06 (4598) 01-Mar-10 00:00 02-Mar-10 00:00 2,252.0 hr 8.7 hr 18.4 l/h
DR#06 (4598) 02-Mar-10 00:00 03-Mar-10 00:00 2,258.2 hr 6.2 hr 14.3 l/h
DR#06 (4598) 03-Mar-10 00:00 04-Mar-10 00:00 2,264.2 hr 6.0 hr 4.2 l/h
DR#06 (4598) 04-Mar-10 00:00 05-Mar-10 00:00 2,275.4 hr 11.2 hr 8.1 l/h
DR#06 (4598) 05-Mar-10 00:00 06-Mar-10 00:00 2,286.0 hr 10.6 hr 5.0 l/h
Average 8.5 hr N/A N/A N/A N/A N/A N/A N/A
Total 42.7 hr N/A N/A N/A N/A N/A N/A N/A

10. SETTING UP EVENT NOTIFICATIONS

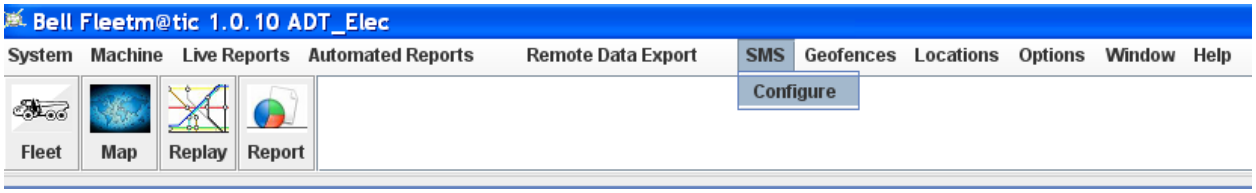
When you have subscribed to the Max and Max Plus packages, an option exists in ***Fleetm@tic® II*** to subscribe to a SMS bundle, which will allow the user to setup event notifications to be sent directly to his mobile phone.

Please ask the Fleetm@tic administrator or your branch for costs on the various packages available.

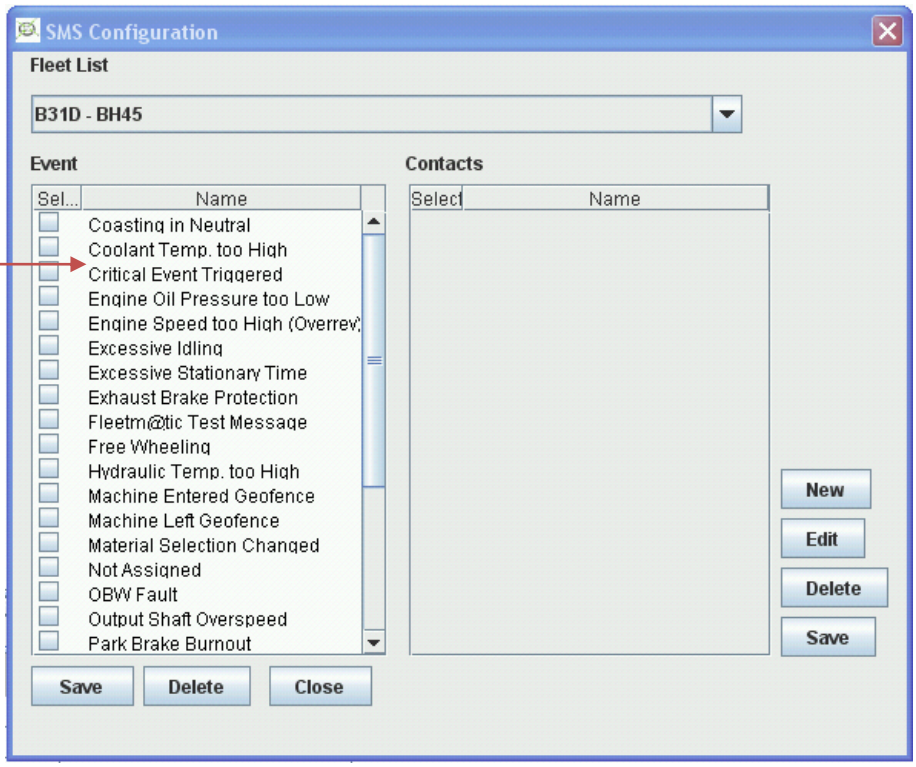
To activate this option, you need to

- send an order number to the Branch / Dealer
- On receipt of an order number, the ***Fleetm@tic®*** Administrator will credit your account with the Bundle you selected
- Once you receive confirmation from the ***Fleetm@tic®*** Administrator that this had been done, you can log onto ***Fleetm@tic® II*** and follow the steps below:

Select “SMS” and click on “Configure”



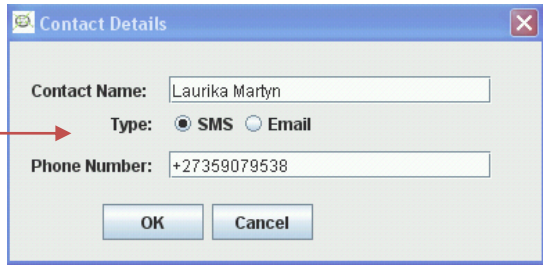
The screen below will appear.

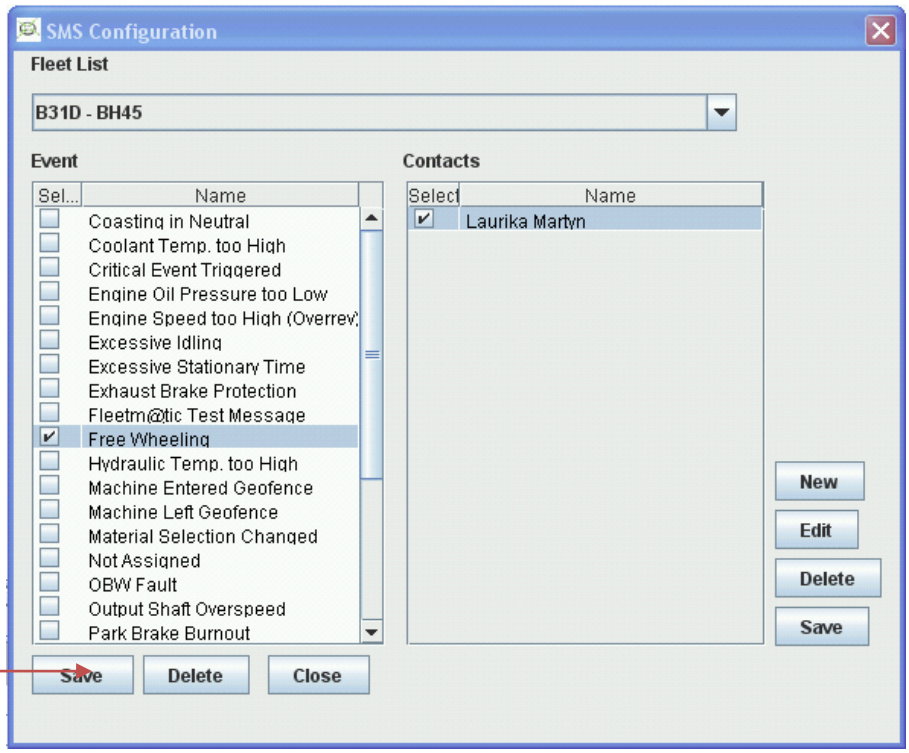


Select one or more of the Event types. A ✓ will appear next to the ones selected

Click on the "New" icon to add a new recipient's contact detail

Enter a Contact's name and select whether you would like to send the report via SMS or an E-mail. When changing to Email, the "Phone number" will change to E-mail address

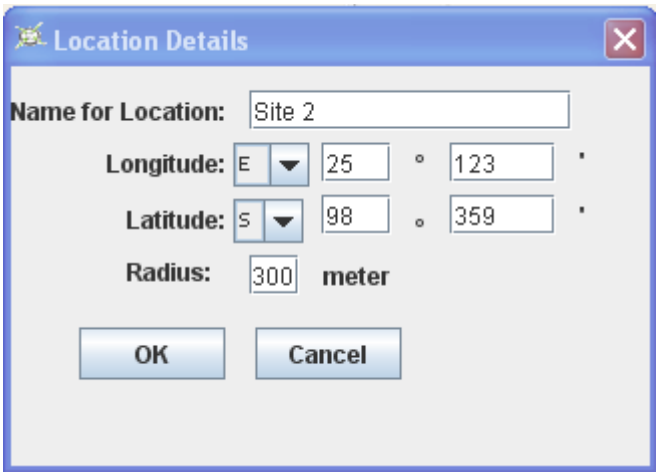




Click on the "Save" button to activate this feature

11. LOCATIONS

Select “Location” at the top of your screen and select “New Location” and the following pop-up will appear. Complete the fields and select “OK”.



To edit the location, follow the same steps as above, but select “Edit Location” and make the necessary changes and select “OK”.

12. REMOTE DATA EXPORT

This function enables the user to export selected data in .xml format for further use. The software to request the data from the Bell server is the customer's responsibility. Users should note that the availability of data is dependent on the package subscribed to.

The download is configured to give the user all New Data, a Retry mode and then Flag Delete Data.

The data will be exported to xml format with the character "!" as the delimiter.

New Data

This is all the data from the previous 2 days up to date of the request. The data will be made available for the user in XML format . Once the data is downloaded the data status flag will change from New Data to Retry data.

To request new data the following should be entered in the webpage. (The username and password is the same as your client application login details.)

http://www.fleetmatic.bellequipment.com/bellweb/javaweb.aspx?getdownload=Username,password

All new data from the previous 2 days will be requested.

Should the user want to automate the download of data, take note that the data request period should not be less than a 15 minute intervals.

Retry

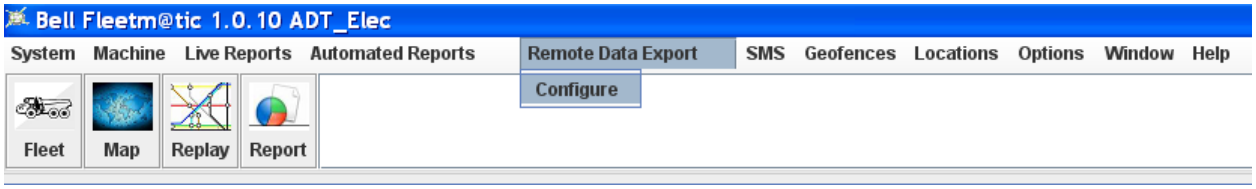
Retry will allow the user to re-download data that has been flagged for retry. The data status flag will then change from Retry to Delete.

http://www.fleetmatic.bellequipment.com/bellweb/javaweb.aspx?getdownload=username,password&retry=1

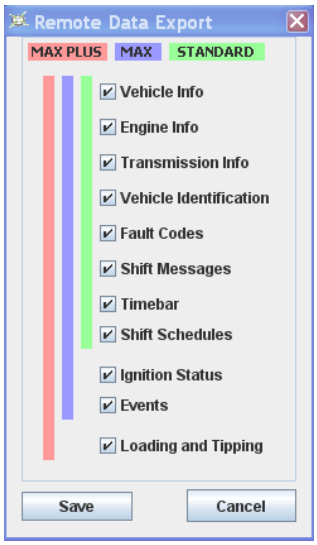
Setup on client application

Click on the "remote data export"

Click on "configure"



The following screen will be displayed



Select the data that you would like to receive. Data that will be received is depended on the subscription ie. Standard, Max or Max Plus

Click on save

Vehicle info – Supplies detail about the vehicle. Software version, make etc.

Engine info – Supplies statistical information about the engine

Transmission info – Supplies statistical information about the transmission

Fault codes – Supplies previous day fault codes that occurred

Shift Messages – Production information

Timebar – Reports on the units time in production

Shift Schedules – What shift schedules is setup on machine

Ignition Status – Ignition on and off messages

Events – Events as they happen

Loading and Tipping – Loading and tipping information as it happens

13. OPTIONS AND/OR SETUP ON THE MACHINE

13.1 Service due notification

Service due notification can be set up by the Administrator on request by the customer. Once these service due notification has been setup, a series of automated reports will be sent to the customer to assist him with the planning of services for his fleet. These service notifications are scheduled according to the Bell recommended service intervals. Should a customer prefer a different service interval, technical approval from Bell need to be obtained.

Service plan: E-mail sent to user 100 hours before service is due on machine according to the last service reset that was done on the machine.

Service Due: E-mail sent to user 24 hours before machine is due for service

Service overdue: E-mail sent to user when the service has not been done within 24 hours of the due hours.

Service done: E-mail sent to user when service technician has sent a service reset message from machine.

13.2 Auto off time

This is an option than can be enabled on the machine. This option will switch off the engine after it has been idling for longer than the set time. As soon as the engine has been switched off, the memory module start to calculate the time, until the ignition is switched off. This time will indicate to the user the fuel that was saved by switching the engine off, rather than to have it idling. This will time will be reflected in the shift report, under the "Auto off" column.
Please contact your customer support for activation of this feature or for more information about it.

13.3 Material selection

Each time the operator selects a different material number on the Monitor Display unit, ***Fleetm@tic® II*** will report the number with each tipping event if the machine id on the Max Plus package.
Example:
Material type 1 = Coal
Material type 2 = Overburden
The operator needs to select the applicable material type before the machine is loaded. The load report on ***Fleetm@tic® II*** will then indicate load by load what material was loaded and how much.

How to change to material selection on the MDU

- Press Menu
- Press next and scroll down to "Machine Config"
- Press select
- Press next and scroll down to "Prod option"
- Press select
- Press next and scroll down to "Material selection"
- Press select
- Select the material type bu scrolling down with the next button
- Press and hold down the select button for 3 seconds to select the material

13.4 Setting up the shift reports on the machine

Please take note that when shift report start times are changed the shift report start time change request will only be send at the end of the shift. This can cause the shift reports not to be send out correctly the first time as the Shifts on the machine and the shifts in the shift report server are not syncronized. The shift reports however will be correct the day after.

Shift report are limited to the packages subscribe to and can be setup as follow on the machine.

- Go into service mode
- Go to menu 4 – "Machine Conf" by pressing the Menu button. At menu 4 press the Select button. Press the Next button until "MM Config" is displayed and press the Select button.
- Scroll down to "Shift setup".
- Press select.
- Enter the number of shifts that is required per day. Please note that this is limited to the type of package.
- Press Menu
- Select Monday
- Enter the start time of the first shift by pressing the next button.
- Press select
- Press menu
- Follow the same procedure to set up the remaining shift if applicable
- The rest of days will default to Monday's shifts automatically. If a user requires different start dates, you need to set them up individually.

13.5 Setting up the time offset on the machine

Changing the time off set will change the time your reports are send. The time offset on the machine needs to match the local time. Example: For South Africa, the time offset is +2hours GMT.

Go into service mode
Go to menu 4 – "Machine Conf" by pressing the Menu button. At menu 4, press the Select button. Press the Next button until "MM Config" is displayed and press the Select button.
Scroll down to "Monitor settings"
Press select
Scroll down to "Time offset"
Enter the GMT time offset for the region

13.6 Setting up the stationary event time on the machine

The machine will send a stationary (Only looking at engine on and zero ground speed) event when the time exceeds the specified time.

- Go into service mode
- Press menu
- Press next and scroll down to “machine Config”
- Press select
- Press next and scroll down to MM Config
- Press select and scroll down to “Stationary event”
- Press select
- Enter the time after which an event should be send if the machine is standing and idling for longer than the specified time.
- Press and hold select down for 3 seconds

14. Fleetm@tic Contact Information

Call Centre:	080-FTMATIC (080 386 2842)
E-mail:	fleetmatic@bell.co.za
Web Site:	http://www.fleetmatic.bellequipment.com
Direct landline:	Fleetm@tic Administrator
	+27 (0) 35 907 9538